



## **US ARMY ENVIRONMENTAL COMMAND**

### **FY11 PROGRAM MANAGEMENT PLAN**

#### **ACTIVE SITES ENVIRONMENTAL RESTORATION PROGRAM**

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## EXECUTIVE SUMMARY

This Program Management Plan (PMP) was developed to implement the objectives outlined in the 28 March 2009 update of the Army Environmental Cleanup Strategic Plan (AECSP) for FY2010-2011 which was based on the Army's Environmental Cleanup Strategy (AECS). The AECS established common objectives for ensuring consistency and accountability across the Army's Cleanup Program and the Cleanup Strategic Plan identified specific objectives, targets, success indicators, reporting mechanisms, and management review processes for each of the Cleanup Program areas identified in the AECS.

This PMP is a continuation of the US Army Environmental Command's (USAEC) annual planning effort for managing the Army's Installation Restoration Program (IRP) and Military Munitions Response Program (MMRP) at active/operating and excess Army installations. This Plan also includes, as appendices, USAEC's support to the BRAC and Compliance Cleanup Program areas of the Strategic Plan. Since this is a living document that will be updated annually, only FY11 actions are discussed in detail, with a brief summary of actions for FY12 and beyond.

This PMP also documents the Approved FY11 Annual Work Plan, Appendix K.

As Program Manager for the Army's Defense Environmental Restoration Program at active installations, it is agreed that this Command's best efforts will be put forward to accomplish the planned FY11 actions identified in the Plan. Success will require all involved in this program to implement this approach for achieving program progress as outlined in this plan. The USAEC will also provide its best efforts to support the BRAC and Compliance Cleanup Programs.

  
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## USAEC PROGRAM MANAGEMENT PLAN

### Active Environmental Restoration Program

## Introduction

**Purpose and Scope of the Program.** The Army's Active Installation Restoration Program (IRP) is a comprehensive program to identify, investigate and clean up contamination at active/operating and non-BRAC excess Army installations. Eligible sites include those contaminated by past defense activities that require response under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) as amended by the Superfund Amendments and Reauthorization Act (SARA), and certain corrective actions required by the Resource Conservation Recovery Act (RCRA). The Army's Military Munitions Response Program (MMRP) was established in September 2001 to address responses to unexploded ordnance (UXO), discarded military munitions (DMM) and munitions constituents (MC) contamination at locations outside of operational ranges. Eligible cleanup activities at Army IRP and MMRP installations are the same as those defined in the Defense Environmental Restoration Program (DERP) Management Guidance as revised on 29 Dec 08.

**Background.** The DERP was formally established by Congress in 1986 and is codified at Title 10 United States Code (USC) 2701 – 2710. The program provides for the cleanup of Department of Defense (DOD) sites. 10 USC 2701 authorizes the Secretary of Defense to carry out the DERP at facilities under the jurisdiction of the Secretary. The Office of the Deputy Under Secretary of Defense for Installations, and Environment (ODUSD (I&E)) establishes program goals and provides program management oversight. ODUSD (I&E) establishes DERP goals for the Services' restoration programs in the Financial Management Regulation (FMR) and implementation guidance and procedures to achieve those goals are provided in the DERP Management Guidance. The Army, Navy, Air Force, and Defense Agencies program, budget and manage individual transfer accounts. The Army transfer account is known as Environmental Restoration, Army (ER,A). The Army's restoration program under the DERP at active/operating Army installations is the Active IRP and the MMRP.

## Program Implementation

The US Army Environmental Command (USAEC) is the program execution manager for the Active and Excess IRP and MMRP. The USAEC provides input to the active installation DERP budget, compiles obligation plans and contract plans, and tracks obligation of funds, and reports on progress through the Office of the Assistant Chief of Staff for Installation Management (OACSIM) to the Deputy Assistant Secretary of the Army for Environment, Safety and Occupational Health (DASA(ESOH)) for input to the ODUSD(IE&E) Environmental Management Reviews (EMRs). The USAEC also executes Army-wide guidance, develops implementing procedures, and coordinates program activities within the Installation Management Command (IMCOM) and other Army Commands supported by the DERP efforts. The USAEC oversees the execution of the DERP at active/operating and excess installations and has assigned Environmental Restoration Managers (ERMs) to serve as the technical environmental link to installation or garrison environmental offices. The ERMs are responsible for monitoring the execution of the Army DERP for assigned installations. The ERM assists the installation with the prioritization of Army DERP requirements, monitors project execution for obligation and reporting, and provides technical and financial guidance and support to assigned installations. The USAEC has assigned Program Coordinators to work with the installations and ERMs on reporting requirements such as the Army Environmental Database – Restoration (AEDB-R), obligation plans, and quarterly progress reports.

The Garrison Commander, or other designated authority when there is no Garrison Commander, is responsible for executing the installation's environmental programs, including the IRP and MMRP. The Garrison Commander is responsible for tasking the installation's DERP executors, coordinating regulatory and community involvement, and for ensuring compliance with DOD policies, to include explosive safety policies, and applicable federal and state laws and regulations. The Remedial Project Manager (RPM) is the installation coordinator of the restoration activities among the Army, the US Environmental Protection Agency (USEPA), state agencies, and the local community. The RPM position is assigned to the Garrison Commander and has overall responsibility for the DERP execution at the installation. The DERP executor conducts remedial responses (identification, investigation, and cleanup of contamination) at active installations at the direction of the RPM. Army installations may execute projects or use the US Army Corps of Engineers (USACE) or the US Army Public Health Command (USAPHC) (formerly US Army Center for Health Promotion and Preventive Medicine(CHPPM)) to execute specific projects for the DERP.

To ensure consistency in the manner in which the Army's DERP is implemented to meet the FMR goals, several databases, documents, and reports play key roles in the process. The Installation Action Plan (IAP) and AEDB-R are the key tools for building and managing the cleanup program. Each must be internally coordinated to ensure overall consistency within the Army's DERP.

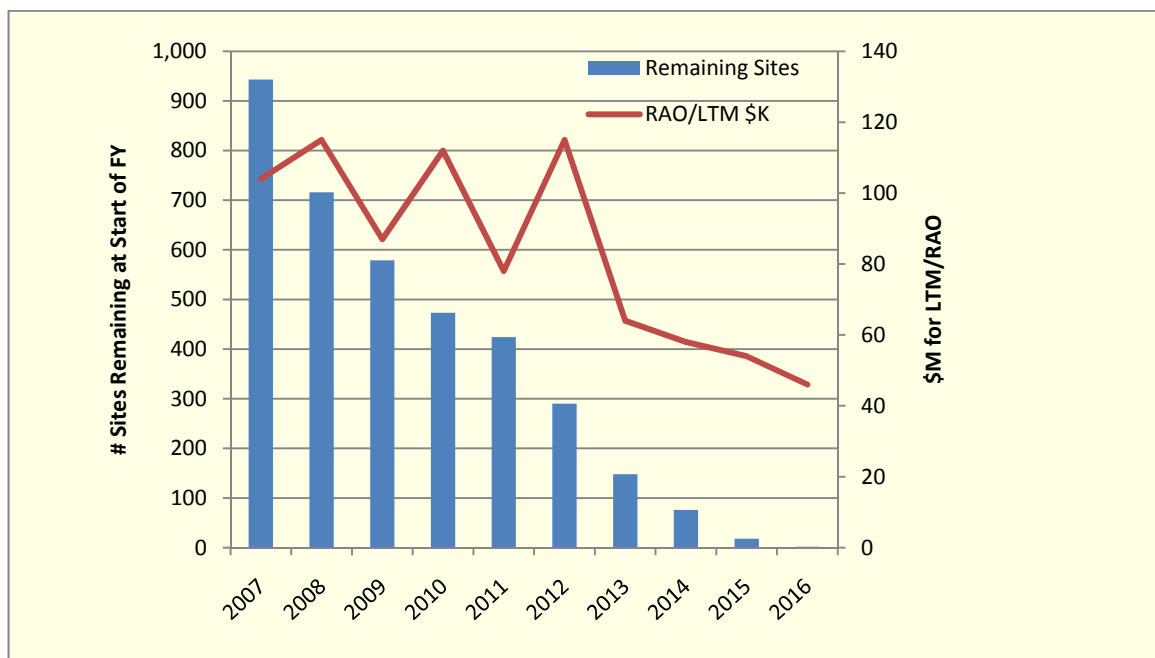
***Installation Action Plan (IAP)*** – The key planning document in the management and execution of the DERP is the IAP. The IAP outlines the total multi-year integrated, coordinated approach to achieving an installation's DERP goals. The plan is used by the USAEC, Installation Management Command (IMCOM), National Guard Bureau (NGB), Army Materiel Command (AMC), and other Army commands, and installations to monitor requirements, schedules, and budgets. For each site within the AEDB-R, the IAP documents DERP requirements, the rationale for the technical approach, and corresponding financial requirements. Prior year funding and supportable cost estimates, through the entire remedial process, are included. The IAP contains DERP history, current AEDB-R status, contaminants of concern, response actions taken, past milestones, future response actions, and exit strategies. Each installation receiving ER,A funds is required to prepare an IAP annually with input from key stakeholders (i.e., regulatory agencies and Restoration Advisory Board) to ensure buy-in to the plan. The USAEC facilitates Validation Meetings/Conference Calls for the Active and Excess installations to coordinate the update with the installation cleanup team to ensure all parties (including the regulatory agencies) are involved in the planning efforts. Installations are encouraged to meet with their executor and regulatory counterparts to update the IAP and associated AEDB-R data prior to the Validation Meetings/Conference Calls to ensure stakeholder buy-in.

***Army Environmental Database – Restoration (AEDB-R)*** - The AEDB-R is the database of record for all Active and Excess cleanup sites included in the DERP. The AEDB-R provides an automated, internet-based application to manage, track, and query data on activities conducted under the Army DERP. The AEDB-R holds all documentation required to support the cost estimates to ensure the Army's ER,A liabilities are auditable. The AEDB-R data are used to meet planning and upward reporting requirements and are a source of information for the following:

- Defense Environmental Programs Annual Report to Congress
- Army's Environmental Restoration Financial Liability Statement
- Program Objective Memorandum (POM)
- President's budget/Budget Estimate Submission (BES)

- DERP Obligation Plans
- OACSIM and DOD Environmental Management Reviews
- DOD Measures of Merit
- Installation Action Plans
- Quarterly Program Reviews (Smart Cards)

As discussed in the Management Review section below, the AEDB-R data and IAPs serve as the baseline for the installation reviews, both internal and external. The USAEC uses the AEDB-R data to establish the planned objectives (installation and site IRP Remedy in Place/Response Complete (RIP/RC) plans) for each fiscal year and conducts periodic reviews of installation progress towards those objectives. The USAEC also uses the data to project IRP progress against the long term FMR Goals of achieving RIP or RC at all sites by the end of FY14 and determining the long-term requirements that follow. Figure 1 shows the projected IRP site completion schedule currently projected by AEDB-R data overlain with cost projections for Remedial Action Operations and Long Term Management (RAO/LTM) that will continue. Variations in the RAO/LTM profile are caused by multi-year optimization awards (FY10) and a planned payment for TCAAP groundwater treatment costs for Arden Hills. Current RIP/RC projections indicate that the FY14 goal will not be met; however, USAEC is in the process of conducting program reviews at all installations with open IRP sites (Appendix E) to determine the soundness of planning and to identify issues that may result in delays. We will focus on resolving issues that threaten to delay final RIP/RC actions at the remaining installations. Known issues, including continued regulatory delays and the USEPA's recent emphasis on groundwater restoration, even absent risk, threaten to delay decision documents and cleanup actions. By actively managing the program execution, the USAEC makes adjustments to address delays and ensure continued progress toward long-term objectives. Focus on initiatives such as performance-based acquisition (PBA) and installation buyouts provides savings and frees resources to be applied to those installations that present the most difficult technical and regulatory challenges to achieving the IRP completion goals. Frequent reviews and technical assistance are applied to these installations to ensure continued progress.

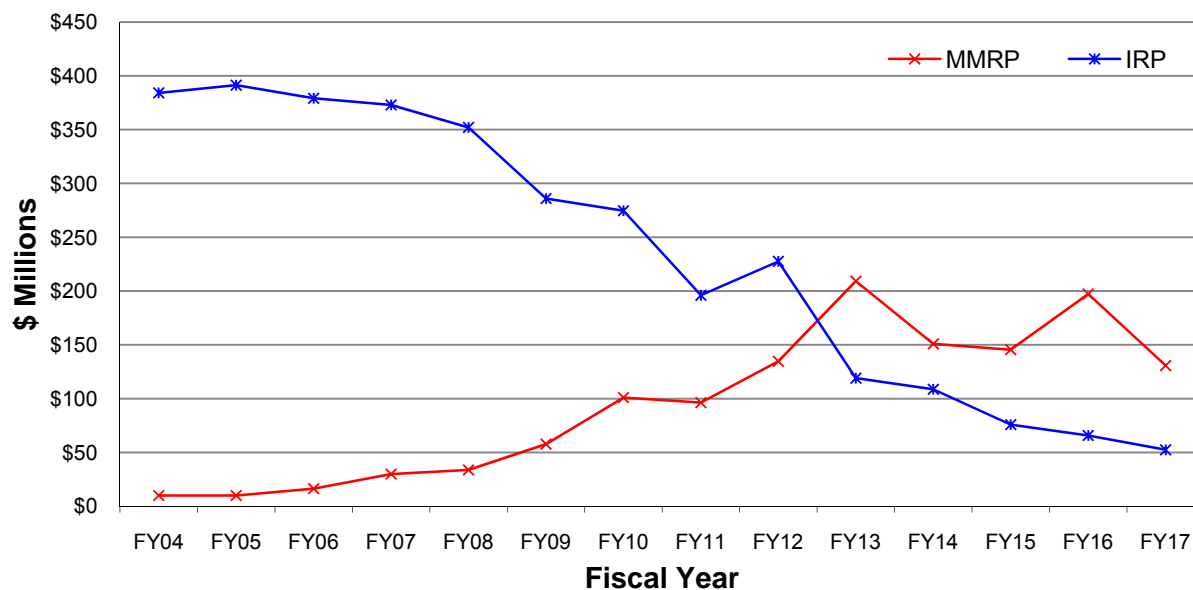


Total sites = 10,534

FIGURE 1 – Projected Completions and Long-Term Liabilities

**IRP/MMRP Transition.** One of the drivers for completion of the IRP is the need to fund the MMRP. Environmental Restoration, Army (ER,A) funds are used to meet the requirements of both the IRP and the MMRP. Currently, DOD has established the following objectives for the MMRP: (1) completion of the inventory by Dec 03, (met); (2) completion of preliminary assessments by FY07 (met); (3) completion of all Site Inspections (SI) by FY10 (met for baseline of 158 installations identified by FY08 as needing an SI); and (4) completion of RIP or RC for all MMRP sites by 2020 (currently being reassessed with the completion of all SIs in FY10). Figure 2 shows the planned ramp-down of IRP funding as objectives are achieved and the planned ramp-up of the MMRP to meet RIP/RC objectives. Based on the current projections, the MMRP requirements are not ramping up as quickly as projected as a result of the refinement of the requirements during the SI phase. Approximately 3.3 million acres of former range areas were investigated under the SI effort. Of that acreage, approximately 938 thousand acres will require ER,A funding for post-SI investigation and/or response action. That 71% decrease in area of concern has significantly reduced the costs originally projected for remedial investigations and response actions. However, until Remedial Investigations are complete and firm priorities, schedules, and response objectives are established, the out-year MMRP requirements will remain in flux.

**Figure 2 – IRP/MMRP Transition**



**DERP Eligibility Expansion.** The Deputy Under Secretary of Defense for Installations, and Environment (DUSD (I&E)) issued Interim Policy for Defense Environmental Restoration Program (DERP) Eligibility which removed the restriction for use of ER,A funds to address contaminant releases that occurred after 1986. DUSD (I&E) directed the Services to develop an inventory of all compliance-related cleanup sites that would be eligible for DERP funding by the end of FY09. USAEC and OACSIM worked with the (Army Commands) ACOMs and installations to identify all compliance-related cleanup (CC) sites that became eligible for ER,A funding with the change in eligibility criteria and transferred those sites from the Army Environmental Database for Compliance Cleanup (AEDB-CC) database to the AEDB-R database. While considered IRP sites, the newly eligible sites are coded with a subprogram code of CR (Compliance Restoration)



to distinguish the sites from (Installation Restoration) IR and (Munitions Response) MR sites in the database in order to separately track metrics.

**Program Management Approach.** As discussed above, the USAEC actively manages the execution of IRP and MMRP efforts to ensure sound planning and effective execution of the program to meet the short-term and long-term objectives. In addition to the continual involvement of the USAEC ERMs in the project teams, periodic progress reviews, and technical assistance provided to the installations, the USAEC has implemented several initiatives to ensure continued progress and cost-effectiveness.

***Performance-Based Acquisition (PBA)*** - The USAEC is entering the eighth full year of implementation of the PBA effort, following the pilot efforts conducted in FY03. To date, 133 PBAs have been awarded for a total value of approximately \$1,046M covering 165 installations and approximately 1,938 sites. Resulting cost savings using the performance-based approach over traditional contracting for environmental remediation services are estimated at \$737M compared to cost-to-complete estimates and \$465M compared to independent government cost estimates. The 32 PBAs awarded in FY10, the most since initiation of the PBA initiative, were 58% below cost-to-complete estimates and 37% below independent government cost estimates. In FY10, the Cleanup Program obligated 37% (\$162M) of the \$436.3M ER,A budget on new and existing PBAs, falling short of the 50% goal. Contributing to the lower than projected amount was the cost avoidance/savings realized as a result of competition.

***Installation Action Plan Meetings*** - Initiated under FORSCOM, IAP Workshops became a key component to the Active Sites IRP/MMRP planning efforts. The Workshops promoted effective communication between the Army, regulatory agencies, and other stakeholders on key issues such as program objectives, schedules, budgets, path forward, and exit strategies. They also served a critical role in the collection of supporting documentation needed to ensure the Army's cleanup liability estimates are fully supported and auditable. During FY10, USAEC continued implementing and integrated the IAP/AEDB/cost-to-complete (CTC) development processes which provided more efficient collection of data, improved consistency and completeness of cost and non-cost data, and provided more assistance to the installations in meeting the requirements to provide adequate supporting documentation for environmental liabilities reporting. In FY10, USAEC began using this process as a forum for documenting contract plans needed to execute the program defined in the IAP. The process includes onsite meetings, as needed, to assist the installations in data collection and cost estimating. The process builds on the implementation of the IAP Tool which generates the IAP from the AEDB database to ensure consistency between the installation action plan and the database of record. **While USAEC no longer coordinates formal IAP workshops, USAEC encourages installations to continue conducting them to ensure stakeholder involvement in planning.**

***Remedial Action Operations/Long-Term Management Optimization*** - The Army recognizes that many sites will require a long-term commitment of resources through operations to meet cleanup goals and through long-term management and monitoring. Optimization of remedial action-operation (RAO) and long-term management (LTM) has been the focus of technical assistance efforts, Groundwater Treatment Systems Reviews, Five-Year Reviews, and PBAs over the past several years. Future initiatives will expand the use of PBAs employing price incentives, regional contracting vehicles, and assessment of cleanup actions for the incorporation of green/sustainable technologies to reduce the Army's carbon footprint. We plan to tap into the results of the ongoing

Assistant Chief of Staff for Installation Management (ACSIM) Green & Sustainable Remediation Study, which will evaluate potential green technologies/approaches for the MMRP program. Also, Five-Year Reviews will be enhanced to provide more emphasis on RAO/LTM optimization and ramp-down/exit strategy development.

**Five-Year Review Improvement -** In order to provide consistency, and independent and cost-effective review, in FY09 the USAEC began partnering with the Omaha District HTRW Center of Expertise (CX) to conduct the majority of the Five-Year Reviews required at Active and Excess installations. Based on a Lean Six Sigma analysis, the Five-Year Review effort was overhauled to include more emphasis on optimization of remedies and long-term management. This is the first in a number of actions aimed at synchronizing the Five-Year Review effort with RAO/LTM optimization and to establish a follow-up mechanism to ensure recommendations are implemented. In FY11, that partnership will continue and will expand to include analysis of cleanup actions to determine potential for inclusion of green technologies (e.g., renewable energy sources and less energy-intensive, passive remedies) to reduce the Army's carbon footprint.

**Program Resources.** The ER,A program continues to be fully funded, however, the funding level was reduced starting in FY11 to reflect the ramp down of the IRP and lower than expected MMRP requirements. The new program funding level varies between \$330M and \$370M over the POM. The current projection of requirements versus budget is summarized in Table 1. The primary reason is the declining requirements associated with ER,A eligible MMRP investigations and cleanup. Approximately 3.3 million acres of former range areas have been investigated under the SI effort. Of that acreage, only approximately 938 thousand acres require post-SI investigation and/or response action. That 71% decrease in area of concern has significantly reduced the costs projected for remedial investigation and potential response actions. However, until all RIs are complete and firm priorities, schedules, and response objectives are established, the out-year MMRP requirements will remain in flux. The increase in program management costs in FY11 is due primarily to the investment in the development of the new Headquarters Army Environmental System (HQAES) database.

(\$M)	Thru 2008	FY09	Current 2010	PMP 2011	2012	2013	2014	2015	2016
Program	8278834	401837	436266	444581	348879	329873	371762	364960	343683
Total Requirements	8278834	401837	436266	344581	348879	329873	371762	364960	343683
- Project Requirements		343751	370546	259883	295675	277498	298106	296376	296619
- Program Management		58086	65720	84698	53204	52375	73656	68584	47064

Table 1. ER,A Requirements versus Budget

## Acquisition Strategy

The Cleanup Program is executed by the installations with support from their Corps districts using a variety of contract mechanisms and in-house expertise. Since FY03, the USAEC has championed the use of PBA as a means to improve cost and schedule performance without compromising the effectiveness of cleanup and protectiveness of human health and the environment, building on successful PBA pilots at Fort Gordon and Fort Leavenworth. The PBAs have been awarded on the ACSIM ID/IQ contract administered by the RDECOM Contracting Center, Aberdeen Installation Contracting Division Environmental Team and through a number of contract vehicles held by the Corps Districts. To date, 133 PBAs have been awarded for a total value of approximately \$1,046M covering 165 installations and approximately 1,938 sites. Resulting cost savings using a performance-based approach over traditional contracting for environmental remediation services are estimated at \$737M compared to the cost-to-complete estimates and \$465M compared to the independent government cost estimates. In FY10, the Cleanup Program obligated 37% (\$162M) of the adjusted ER,A budget of \$436.3M on new and existing PBAs, falling short of the 50% goal. However, contributing to the lower than projected amount was the cost avoidance/savings realized. Contracts awarded using a performance-based approach were 58% below cost-to-complete based estimates and 37% below independent government cost estimates. The USAEC continued to expand the use of PBA through application of the approach to MMRP Remedial Investigations. Table 2 below summarizes the successes of the PBA initiative through FY10 and installations planned for PBA evaluation in FY11. Based on projections of opportunities to employ PBA and the growing percentage of ER,A allocated to MMRP, the goal for this initiative was established at 50% of the annual ER,A program budget in the 14 May 2009 Army Environmental Program Priorities.

**Table 2 – PBA Successes/Plans**

Year	'08	'09	10	11
PBA Target %	50%	50%	60%	50%
Installations	APG - New O-Field	APG	APG	APG - RAO Optimization
	Blossom Point	Blossom Point	Alaska NGB MMRP	APG - LTM Optimization
	Fort Belvoir	Camp Bullis	Biak TS	Anniston AD
	Fort Buchanan	Deseret Chem Depot	Blue Grass AD	Badger AAP
	Fort Carson	Fort Belvoir	Camp Clark	Forest Glen
	Fort Huachuca	Fort Benning	Camp Murray	Fort Belvoir
	Fort Leonard Wood	Fort Bliss	Delta Range	Fort Benning
	Weldon Spring	Fort Eustis (Ph II)	Dugway PG	Fort Bliss
	Charles Melvin Price	Fort Meade	Fort AP Hill	Fort Buchanan
	Fort Lewis	Fort Greely	Fort Belvoir	Fort Carson
	Hunter AAF/Stewart	Fort Jackson	Fort Benning	Fort Drum
	Joliet AAP	Fort Lee	Fort Bliss	Fort Gordon
	Radford AAP II	Fort Leonard Wood	Fort Bragg	Fort Huachuca
	RAO/LTM (Drum/	Fort McClellan ARNG	Fort Campbell	Fort Knox
	Dix/West Point)	Fort Missoula ARNG	Fort Drum	Fort Lee
	Ravenna AAP III	Fort Rucker	Fort Eustis	Fort Leonard Wood
	White Sands MR	Fort Sam Houston	Fort Greely	Fort Riley
		Fort Shafter	Fort Hunter Liggett	Hawthorne AAP
		Fort Stewart	Fort Lewis	Hawaii - USAG
		McAlester AAP	Fort Missoula ARNG	Holston AAP RAO/LTM Opt
		Milan AAP	Fort Polk	Hunter AAF
		Camp Williams	Fort Richardson	Iowa AAP
		Papago Mil Res	Fort Sill	Louisiana AAP
		Pine Bluff Arsenal	Fort Stewart	MOTCO MMRP
		Schofield Barracks	Fort Wainwright	MTA Camp Edwards
		Tooele Army Depot	Fort William Henry Harrison	NG Armories
		Wheeler AAF	Hawthorne AAP	Pine Bluff Arsenal
			Joliet AAP	Ravenna AAP
			Kimaman TS	Red River AD
			MOTCO	River Road Training Site
			NTC and Fort Irwin	Rock Island Arsenal
			Parks RFTA	Tooele AD
			Picatinny Arsenal	TCAAP RAO/LTM Optimize
			Pine Bluff Arsenal	Volkstone
			Radford AAP	Volunteer AAP
			Red River AD	Yuma PG
			Rock Island Arsenal	
			Sierra AD	
			Volunteer AAP	
			West Point	
			White Sands MR	
			Yuma PG	
# Sites	144	241	626	TBD
Contract Value	\$132M	\$164M	\$114M	TBD
Cost Savings				
- vs CTC	\$13.7M	\$247M	\$162M	TBD
- vs IGCE	\$ 2.1M	\$229M	\$69M	TBD
Total PBA Obligation	\$239M	\$206M	\$162M	TBD
Total ER&A Budget	\$437.7M	\$405.6M (Adjusted budget)	\$436.6M (Adjusted budget)	TBD
PBA Actual %	54%	51%	375	TBD

## Reporting Mechanisms

The AEDB-R is the database of record for the Army's Active IRP and MMRP. The AEDB-R contains site level detail by phase of cleanup (studies, design, construction, operations and long-term management) for contaminated sites being addressed by the Army. In addition, the database contains cost, relative risk, and other information for each site. The AEDB-R is managed by USAEC, is updated semi-annually by the installations, and is used for upward reporting to the Knowledge-Based Corporate Reporting System (KBCRS), the restoration management information system used by OSD to support development of the Defense Environmental Programs Annual Report to Congress. The AEDB-R is also used by the Army to support cleanup program planning, implementation, and reporting for semiannual management reviews, and to prepare responses to program inquiries and other data calls.

The AEDB-R, in conjunction with the IAP, provides the basis for managing program progress. Within the IRP (both original IR and newly eligible CR sites) and MMRP, the key measurement indicators of program progress are site completion (either RIP or RC). In addition, for the IR program, installation completion (i.e., all sites on the installation have achieved RIP or RC) is a key measurement indicator. Site RIP/RCs for FY11, are projected directly from the AEDB-R Fall 10 data call. As discussed in Target 2.1, 106 IRP sites are planned for RIP/RC in FY11. In FY10, the Army achieved 41 site RIP/RCs out of the planned 105 sites for a completion rate of 39%. The major contributor to the low execution was an ongoing dispute with USEPA Region II over the applicability of New Jersey Soil Standards which delayed the RIP/RC of 25 sites. Appendix D provides a list of the FY11 IRP sites with projected completion dates. Installation completion dates are derived from the AEDB-R data as the final site RIP/RC for the installations. Appendix E provides a list of installations projecting final IRP RIP/RC in FY11 and those projected beyond FY11, based on the Fall 10 data call. Five installations were projected for final RIP/RC in FY10, however, due to various factors, including regulatory delay and disputes, only one installation achieved that goal. Sixty CR site RIP/RCs are projected for FY11 (Appendix G) and 38 MMRP site RIP/RCs are projected (Appendix I). In FY10, a total of 71 CR sites and 138 MR sites achieved RIP/RC compared to a plan of 50 and 143, respectively. A third indicator of program progress is achievement of phase completions. IRP phase completions in FY11 are projected to be 270 (Appendix F); CR phase completions are projected to be 187 (Appendix H); and MMRP phase projections for FY11 are projected to be 88 (Appendix K). In FY10, the Army completed 134 IRP phase completions, or 48% of the 279 planned phase completions, which indicates potential future site and installation RIP/RC impacts as schedules extend to the out-years. MMRP phase completions fared better with 182 phases completed, including 14 unplanned phases (111%). Likewise, 145 phases were completed on CR sites against a plan of 125 (116%). The key measure of interim progress for the MMRP, the completion of the Site Inspection (SI) phase at the 158 baseline installations by the end of FY10, was exceeded. Site Inspections were completed for the original inventory and for an additional 165 sites that were discovered during the SI effort. A total of 819 sites were evaluated under SIs by the end of FY10 compared to a baseline inventory of 654 sites. With the completion of the SI effort, the preliminary goal of FY20 for all MMRP sites to achieve RIP/RC will be re-evaluated and a new goal will be established if necessary.

The USAEC aggressively manages the Active Installation Cleanup Program through continual participation of assigned USAEC ERMs on the installation project teams, internal management reviews (see below), and through direct assistance to the installations to resolve issues and to help implement centrally managed initiatives such as PBA and preparation of IAPs. During FY11, Program Reviews will be conducted at all installations that have not yet achieved final IRP RIP/RC in order to evaluate the soundness of technical, programmatic, and contractual planning

to achieve final RIP/RC by FY14 and to identify issues that must be resolved in order to support site completion.

The Defense Finance and Accounting System (DFAS) serves as the record of both obligations and disbursements over the life of the ER,A funds. Quarterly reports are generated and reconciled against internal accounting records to ensure obligations are timely and accurately recorded. To minimize the lag time between funds issuance and recording of obligations in DFAS, USAEC requires installations or their executors to provide proof of negotiated amounts on all contract-funding requests. Quarterly disbursement reports are also scrutinized to ensure that obligated funds are disbursed in accordance with prescribed expenditure rates to ensure past requirements do not become future bills. The USAEC reviews all funds requests submitted by the installations to determine whether they can be paid with prior year funds (e.g., cost growths, cost adjustments, cost overruns) to ensure that available prior year funds are obligated and disbursed to the fullest extent possible. Quarterly obligation and annual disbursement targets are summarized in Target 5.1. A summary of the past 5 years of obligations and disbursements is provided in Table 3. Program delays resulting from various factors (e.g., regulatory review, dispute resolution, contractor performance, technical complexity) required de-obligation of unliquidated contract funds and rescoping of contracts during FY10.

<b>FY</b>	<b>Budget (\$M)</b>	<b>Total Obligations (\$M)</b>	<b>ULO (\$M)</b>	<b>Available Unobligated Balance (\$M)</b>	<b>Outlays (\$M)</b>	<b>Outlay%</b>	<b>DoD Guideline %</b>
<b>2010</b>	<b>436</b>	<b>432</b>	<b>266</b>	<b>4</b>	<b>66</b>	<b>15%</b>	<b>22%</b>
<b>2009</b>	<b>402</b>	<b>395</b>	<b>199</b>	<b>7</b>	<b>197</b>	<b>50%</b>	<b>67%</b>
<b>2008</b>	<b>438</b>	<b>433</b>	<b>73</b>	<b>5</b>	<b>361</b>	<b>83%</b>	<b>89%</b>
<b>2007</b>	<b>403</b>	<b>397</b>	<b>53</b>	<b>6</b>	<b>344</b>	<b>87%</b>	<b>95%</b>
<b>2006</b>	<b>395</b>	<b>389</b>	<b>32</b>	<b>6</b>	<b>356</b>	<b>92%</b>	<b>98%</b>
<b>2005</b>	<b>401</b>	<b>387</b>	<b>0</b>	<b>14</b>	<b>387</b>	<b>100%</b>	<b>100%</b>

Table 3. ER,A Obligations and Expenditures

## Management Review

The OSD has established semi-annual ESOH management reviews where the Army is required to provide information as of the end of the fiscal year and in mid-year to report progress in meeting objectives and targets. DUSD(I&E) is typically the senior reviewer. The OACSIM and DASA(ESOH) perform management reviews of each program area semi-annually. The October/November review typically reviews prior year execution and accomplishment of targets and success indicators. The mid-year review in April/May is typically a brief assessment of execution to date and a forward look to future requirements and resource issues.

As the Army prepares to brief DUSD(I&E), cleanup progress is briefed through OACSIM to the DASA(ESOH). Program specific issues are addressed in the review, as well as Army-specific objectives and targets addressed in the Army environmental cleanup strategic plan. Outcomes

from the management review are considered and necessary adjustments are made for continual improvement of the environmental cleanup strategy, the environmental cleanup strategic plan, and the annual Active Sites Environmental Restoration PMP.

The USAEC Cleanup and Munitions Response Division (CMRD) is structured to provide oversight at the installation level. USAEC ERMs are assigned to multiple installations to participate on the cleanup project teams to provide guidance and oversight to the cleanup programs. With the BRAC relocation to Fort Sam Houston, CMRD restructured in order to prepare for the ramp down of the Cleanup Program and to better align with the USEPA regions. Two CMRD Branches are organized in an East/West division of responsibility. The East Oversight Branch manages cleanup in USEPA Regions 1 through 4 and the West Oversight Branch manages cleanup in USEPA Regions 5 through 10. This structure was established to provide consistency and continuity of actions within the various USEPA regions. In addition a Memorandum of Agreement was established between USAEC and the National Guard Bureau Environmental Division to provide for NGB execution of ER,A-funded efforts on NGB installations under the oversight of USAEC. CMRD proactively manages the Active IRP and MMRP through periodic and systematic review of installation progress against measurement indicators, as discussed above. As the foundation for progress toward site and installation completion, the USAEC ERM and installation project team regularly review progress toward projected phase completions. CMRD continually stresses the importance of progress toward site and installation RIP/RCs with installations and actively works with the installations to resolve issues that may potentially delay completion and to identify sites and installations for possible acceleration.

Internal USAEC management reviews include monthly contract reviews with the branches and NGB Environmental Office to assess progress on current year execution, quarterly reviews of program progress with the branches and NGB Environmental Office, and quarterly Performance Management Reviews with OACSIM (Installation Services - Environment) ISE and DASA(ESOH) representatives. USAEC routinely invites the OACSIM technical representative for the Active Cleanup Program and Army Command representatives to the quarterly division reviews to further enhance coordination and alert the Army leadership on any major Army-wide issues. All of these reviews focus on the key measurement indicators of site and installation RIP/RC as well as on specific program initiatives such as performance-based acquisition. The USAEC also prepares and submits quarterly summaries of program progress to OACSIM and the Army Commands covering the key program metrics (i.e., site and installation RIP/RC, phase completions, and performance-based acquisition).

In FY11, the USAEC will conduct special Program Reviews at each of the installations that have not yet achieved final RIP/RC for IRP sites as listed in Appendix E. These reviews will focus on the program, technical, and contractual planning in place to ensure the FY14 goal will be met. The intent of the reviews is to identify any issues (programmatic, technical, contractual, or regulatory) that may delay final RIP/RC so assistance can be provided for issue resolution. The Program Reviews will be conducted in conjunction with the AEDB-R and IAP update process to ensure the formal plans accurately reflect the status of the installations' cleanup programs.

## **Army Environmental Cleanup Strategy (AECS) and Army Environmental Cleanup Strategic Plan (AECSP)**

The AECS identifies the vision for Army environmental cleanup as: *The Army will be a national leader in cleaning up contaminated land to protect human health and the environment as an integral part of its mission.* The Strategy provides a roadmap to guide the Army in attaining its environmental cleanup vision, and identifies nine overarching objectives for the cleanup program. The Strategy also identifies seven program areas, one of which is Active Installation Cleanup Program and their mission. The mission for Army active installation cleanup is to perform appropriate, cost-effective cleanup so that the property is safe for installation use and to protect human health and the environment.

The AECSP identifies a framework for implementing the Strategy by identifying specific objectives, targets, success indicators, reporting mechanisms, and management review processes for each of the nine objectives in the Strategy, and for each of the seven program areas. The ACSIM issued an updated AECSP in March 2009 for FY2010 through 2011, which provides objectives and performance measures for each of the Army Environmental Programs. This Program Management Plan identifies the responsibilities, deliverables, and timeframes for implementing the Army Environmental Cleanup Strategy and Strategic Plan for the IRP and MMRP and provides:

- A detailed description for the actions that will be taken to implement a task or program;
- The resources that are responsible for the implementation of that action; and
- The expected time frame for the implementation of each action.

Presented below is the USAEC's Program Management Plan for the IRP and MMRP and support to other cleanup programs (Appendices A through C). Appendices D-J reflect reporting requirements. Appendix K contains the FY10 ER,A Active Sites Work Plan and Appendix L provides the Out-year Planning Forecast. An acronym key is found in Appendix M.

## **Conclusion**

The Active Sites Environmental Restoration Program continues to progress toward completion of the IRP sites in accordance with the FMR goals, although regulatory issues related to groundwater restoration, land use controls, and document reviews threaten to extend cleanup schedules beyond FY14. Through the PBA initiative and active management and oversight, the Army is reducing the projected costs for reaching cleanup goals and is locking in the schedules to reach RIP/RC. Cost-to-complete reductions, including reductions in project costs over the POM years, is allowing re-allocation of ER,A funds to sites originally budgeted later in the program and to newly eligible cleanup sites. In addition, the OSD goal of completing all baseline MMRP SIs by the end of FY10 was met and the Army is ahead of schedule on initiating the RI phase of investigation. Application of PBA to the MMRP SI efforts, and lessons learned from the initial SI contracts have positioned the Army to efficiently conduct the MMRP RI/FS efforts.

While achieving the FMR goals of IRP site completion by FY14 is a major goal of the IRP, the overall ER,A program will continue well beyond FY14 meeting remedial action operations and long-term management requirements and addressing munitions responses at closed ranges under the MMRP. As the Army shifts focus to MMRP execution, the focus of the IRP will shift to reducing the long term IRP operations and management costs and to completing cleanup actions



14 Nov 10

FINAL

at Compliance-Related sites. RAO and LTM of the IRP sites following final site RIP/RC have an associated cost-to-complete currently estimated at over \$1.1B. Optimization efforts for both the RAO and LTM are now being integrated into the various IRP management and technical reviews to ensure cost-effective LTM. In addition, the Army's RAO/LTM Optimization effort will explore the potential for incorporating green technologies (both less energy-intensive remedies and renewable energy sources) into ongoing remedial action operations.

## PROGRAM MANAGEMENT PLAN

**Objective 1. Ensure prompt action to address imminent and substantial threats to human health, safety, and the environment.**

### Target

1.1 Protect workers, the public, and the environment as hazards are identified.

### Success Indicators

1.1.1. Appropriate notification(s) made to command, regulators and public in accordance with established plans; conduct required Five-Year Reviews; implement interim actions as needed.

### FY11 Actions

- Prioritize cleanup actions in support of construction on IRP and MMRP sites.
- Follow the guidelines for the DA cleanup strategy and implement the DA cleanup strategic plan.
- Ensure all actions are protective of human health and environment.
- Ensure all appropriate actions are reviewed by USAPHC (formerly CHPPM).
- Program for USAPHC to conduct public health assessments and consultations as needed.

### FY12 and Beyond Actions

- Ensure all actions are protective of human health and environment.
- Ensure all appropriate actions are reviewed by USAPHC.
- Program for USAPHC to conduct public health assessments and consultations as needed.

**Objective 2. Conduct appropriate, cost effective efforts to identify, evaluate, and conduct response actions to address contamination resulting from past DOD activities. Maintain relevant cleanup information in a permanent document repository.**

### Target

2.1 Ensure management activities are in place and meet annual planned activities for IRP, as quickly as resources allow, to achieve RIP or RC at all 10,482 (Currently 10,534) Active IRP sites by FY2014.

### Success Indicators

2.1.1 Achieve RIP/RC at 98 percent or 10,310 Active IRP sites by the end of FY2011:

- 90% or greater = GREEN
- 80-89% = AMBER
- <80% = RED

### Actions

FY10 Status: Achieved RIP/RC at 41 sites and 1 installation (Pine Bluff Arsenal) bringing total number of IRP sites at RIP/RC to 10,102 and total number of IRP installations at RIP/RC to 1,036. Current IRP site count is 10,534 and IRP installation count is 1,084 (including the transfer of Fort Richardson, Fort Dix, Fort Eustis, Fort Sam

Houston, and Camp Bullis to the Air Force, transfer of Fort Story to the Navy, and transfer of McChord AFB and Pope AFB to the Army on 1 Oct 10).

#### FY11 Actions

- During the Fall 10 AEDB-R review, require USAEC Restoration Managers to validate FY11 phase projections.
- Conduct Program Reviews for each of the installations with IRP sites that have not yet reached RIP/RC to identify issues that may delay completion.
- Work with the installations to proactively address issues that threaten to delay phase completions (270 projected for FY11).
- List projections in individual performance standards and hold managers accountable.
- Conduct quarterly program reviews to monitor installation progress.
- Review data for opportunities to accelerate RIP/RC.
- Coordinate FY11 projections with IMCOM HQ, IMCOM Regions, and Army commands to ensure projections are contained within **total army performance evaluation system** (TAPES) objectives of installation RPMs.
- Coordinate FY11 projections with USACE supporting Districts to ensure executing project managers are held accountable for accomplishment.
- Conduct CTC/AEDB-R development process to provide real-time data entry to improve reporting accuracy and consistency.
- Apply performance-based contracting to drive completions.
- Achieve 106 site RIP/RCs at IRP sites which equates to a cumulative site RIP/RC of 10,208 at the end of FY11.
- Achieve 7 IRP installation RIP/RCs which equates to a cumulative IRP installation RIP/RC of 1,043 at the end of FY11.

#### FY12 and Beyond Actions

- Continuation of FY11 actions.

#### Target

2.2 Ensure management activities are in place and meet annual planned activities for MMRP as quickly as resources allow, to achieve RIP or RC at all 769 Active MMRP sites by FY20 (Currently 1,404 total MRS, 126 of which were RC at the PA, leaving 1,278 requiring post PA efforts).

#### Success Indicators

2.2.1 Achieve SI completion at 100 percent of all 769 MMRP sites requiring an SI by the end of FY10 (EXCEEDED – SIs completed for 819 sites):

- 100% = GREEN
- <100 = RED

2.2.2 Achieve RIP/RC at 56 percent or 429 Active MMRP sites by the end of FY11 (NOTE: The original baseline of 769 sites that this indicator was built on has increased to 1,278 sites).

- 90% or greater = GREEN
- 80-89% = AMBER
- <80% = RED

### Actions

FY10 Status: 100% (158) of baseline MMRP SIs were completed covering the 769 original Munition Response Sites (MRS). In addition, SIs were conducted on an additional 165 MRSs discovered subsequent to the MMRP inventory. RIP/RC achieved at 138 MR sites and 30 MR installations in FY10.

### FY11 Actions

- Focus PBA efforts on completing RI phase.
- Submit Draft Risk-Management Response Policy for MMRP to ESOH by Dec 10.
- Finalize Risk-Management Response Policy for MMRP by Mar 11.
- Develop RI expectation guidance for PBA contracts (e.g., characterization to support land use controls (LUCs)) by Jan 11.
- Complete and upload the MMRP Risk-Management Response scenarios to the USAEC web site by Sep 11.
- Monitor RI progress; identify areas to be targeted for rapid response (e.g., construction or land reuse support).
- Review program data for opportunities to accelerate RIP/RC.
- Proactively work to resolve issues that impede progress.
- Increase use of performance based contracting, where appropriate, to ensure RIP/RC.
- Fund and execute 75% (33 of 44) of MMRP Interim LUC Non Time Critical Removal Action (NTCRA) Contract Line Item Numbers (CLINs).
- Complete 88 phases by Sep 11.
- Achieve RIP/RC at 38 sites by Sep 11.
- Conduct SIs on any new MMRP sites within 24 months of discovery.
- Assess the need to extend the FY20 RIP/RC goal based on results of SI efforts.

### FY12 and Beyond Actions

- Fund and execute remaining 25% (11) of MMRP Interim LUC NTCRA CLINs.
- Increase use of performance based contracting, where appropriate, to ensure RIP/RC.
- Complete SIs at the Non-DOD Owned Non-Operational Defense Sites (NDNODS) sites entered in FY10.
- Conduct SIs on any new MMRP sites within 24 months of discovery.

### Target

2.3 For all DERP sites identified after FY09 (Compliance Related (CR) sites), ensure management activities are in place and meet annual planned activities as quickly as resources allow to achieve RIP or RC within seven (7) years of site identification.

### Success Indicators

2.3.1 Complete inventory of all newly eligible DERP sites by the end of FY10 (MET).

- 90% or greater = GREEN
- 80-89% = AMBER
- <80% = RED

2.3.2 Achieve SI completion at 45 percent of all newly eligible DERP sites by the end of FY11.

2.3.3 Percentage of new sites achieving RIP/RC, as identified in the annual work plan:

- 90% or greater = GREEN
- 80-89% = AMBER

- <80% = RED

#### Actions

FY10 Status: Achieved RIP/RC at 71 CR sites in FY10.

#### FY11 Actions

- Evaluate newly discovered sites on an ongoing basis to determine eligibility; prioritize SI completions.
- Review progress quarterly to determine if sites are on track.
- Review data for opportunities to accelerate RIP/RC.
- Apply performance based contracting to drive completion.
- Proactively work to resolve issues that impede progress.
- Complete 187 phases at CR sites by Sep 11.
- Achieve site RIP/RC at 60 CR sites by Sep 11.

#### FY12 and Beyond Actions

- Continue use of performance based contracting, where appropriate, to drive RIP/RC.

*(Note Target 2.4 is blank in the Army Environmental Strategic Plan (March 2009))*

#### Target

2.5 Meet annual planned cleanup phases as projected in the annual Program Management Plan (PMP), which is based on information from the AEDB-R.

#### Success Indicators

2.5.1 Achieve actual versus planned annual activities as stated in the PMP.

- 90% or greater = GREEN
- 80-90% = AMBER
- <80% = RED

#### Actions

#### FY11 Actions

- During the Fall 10 AEDB-R review, require USAEC Restoration Managers to validate FY11 phase projections.
- Conduct Program Reviews for each of the installations with IRP sites that have not yet reached RIP/RC to identify issues that may delay completion.
- Work with the installations to proactively address issues that threaten to delay phase completions (270 IRP, 88 MMRP, and 187 CR phases projected for FY11).
- List projections in individual performance standards and hold managers accountable.
- Conduct quarterly program reviews to monitor installation progress.
- Review data for opportunities to accelerate RIP/RC.
- Coordinate FY11 projections with IMCOM HQ, IMCOM Regions, and Army commands to ensure projections are contained within TAPES objectives of installation RPMs
- Implement streamlined CTC/AEDB-R development process to provide real-time data entry to improve reporting accuracy and consistency.
- Apply performance based contracting to drive completions.

**FY12 and Beyond Actions**

- Continuation of FY11 actions

**Target**

2.6 Populate and maintain a permanent document repository for cleanup information, regardless of funding source, so that cleanup information can be retrieved at any date in the future.

**Success Indicators**

2.6.1 Comprehensive, up-to-date, permanent document repository that reflects all environmental cleanups at an active installation; documentation completed and updated annually.

- 90% of installations or greater = GREEN
- 80% to 89% of installations = AMBER
- Less than 80% of installations = RED

**Actions**

FY10 Status: Documents uploaded for 141 total installations.

**FY11 Actions**

- All available documents uploaded for 203 total installations by end of FY11.
- USAEC ERMs will identify data gaps in installation cleanup records; notify installations and their Program Managers.
- Provide Quality Assurance/Quality Control for uploaded documents within 30 days of receipt of uploaded documents.

**FY12 and Beyond Actions**

- All available documents uploaded for 100% of installations, to include all CR cleanup sites brought into the program through DERP eligibility expansion.

**Objective 3**

Comply with statutes, regulations, Executive Orders, and other external requirements governing cleanup.

**Target**

3.1 Meet annual planned Five-Year Reviews as outlined in the annual PMP.

**Success Indicators**

3.1.1 Achieve actual versus planned Five-Year Reviews, as stated in the PMP:

- 90% or greater = GREEN
- 80% to 90% = AMBER
- Less than 80% = RED

**Actions**

**FY11 Actions**

- Execute required FY11 Five-Year Reviews (15)
- Update comprehensive matrix of required (CERCLA) and discretionary (RCRA) Five-Year Reviews by Nov 11.

- Verify data in the Five-Year Review matrix with installations - Dec 11.
- The USAEC ERM or NGB Environmental Division, as appropriate, will work with the installation to coordinate Five-Year review support and review/comment on draft Five-Year Review reports.
- Update Annual Five-Year Review for FY11 and out-years - Nov 11.
- Notify installations and the USACE Omaha CX of all Five-Year Review requirements that are overdue or due in the next 12-month period by Apr 11.
- Document, plan, and track follow-on actions resulting from the Five-Year Reviews.
- Schedule FY12 Five-Year Reviews by Jun 11.

#### FY12 and Beyond Actions

- Establish Annual Five-Year Review needs for subsequent fiscal year by Mar of each year.
- Notify installations and the USACE Omaha CX of all Five-Year Review requirements that are overdue or due in the next 12-month period by Apr.
- Document, plan, and track follow-on actions resulting from the Five-Year Reviews.
- Schedule next fiscal year Five-Year Reviews by Jun of each year.
- The USAEC ERMs will review/comment on draft Five-Year Review reports.

#### Target

3.2 Comply with enforceable cleanup schedules in Federal Facility Agreements (FFAs) and RCRA Orders and Agreements.

#### Actions

##### FY11 Actions

- Expedite reviews of primary documents under FFAs and RCRA Orders and Agreements.
- Notify management of any issues that require higher level resolution to avoid penalties.
- Place priority on newly ER,A-eligible CR Cleanup sites that are driven by enforceable RCRA Cooperative Agreement (CA) schedules.

#### FY12 and Beyond Actions

- Continue FY11 process on an annual basis.

#### Target

3.3 Identify potential program impacts, including funding requirements and delays to meeting established goals, where chemicals of emerging concern are indicated, such as perchlorate, for inclusion in the Army Planning, Programming, Budgeting and Execution System (PPBES) process

#### Actions

##### FY11 Actions

- Support Materials of Emerging Regulatory Interest Team (MERIT) through funding of USAPHC execution of chemical Watch List.
- Support development of toxicological data for military-unique compounds.

#### FY12 and Beyond Actions

- Continuation of FY11 actions.

#### **Objective 4**

Ensure that Army regulations, policies, and guidance are developed within the framework of the AECS.

##### Target

4.1 Update the Army DERP Active Installations Environmental Restoration Program Management Guidance and related implementation guidance within 180 days of changes to DOD DERP Management Manual

##### Success Indicators

4.1.1 Army DERP Guidance and implementing procedures in place within 180 days of DOD DERP Management Guidance finalization.

With 180 days = GREEN

180 - 365 days = AMBER

> 365 days = RED

##### Actions

###### FY11 Actions

- Support ISE development of Army DERP Active Installations Environmental Restoration Program Management Guidance within 180 days of DERP Manual finalization.
- Develop implementing procedures required to address changes to the Army DERP guidance.

###### FY12 and Beyond Actions

- Continue FY10 actions as required.

#### **Objective 5**

Plan, program, budget and execute cleanup in accordance with DOD and Army directives and guidance using validated, auditable, and documented site-level data.

##### Target

5.1 Execute annual DERP ER,A appropriation for the active installation restoration program to meet DOD obligation and expense objectives.

##### Success Indicators

5.1.1 Obligation targets by quarter are 28%, 55%, 80%, and 100%, as recorded in DFAS.

- 90% or greater = GREEN
- 80-90% = AMBER
- <80% = RED

5.1.2 Expense targets over six years are 22%, 67%, 89%, 95%, 98% and 100%, as recorded in DFAS.

- 90% or greater = GREEN
- 80-90% = AMBER
- <80% = RED



### Actions

#### FY11 Actions

- Maintain Contract/Obligation Plan and conduct monthly reviews.
- Request Resource Management report on current year expenses quarterly.
- Quarterly evaluate expenditures (outlays) for all FYs.
- Identify executors with consistently low expenditure rates and high de-obligation rates; take corrective actions as necessary.

#### FY12 and Beyond Actions

- Define requirements to enhance reporting systems to allow electronic tracking of obligations and expenditures over a five-year period on a site-level basis and implement reporting system enhancements.

### Target

5.2 Achieve and maintain Chief Financial Officer's Act (CFO)/Federal Financial Management Improvement Act (FFMIA) compliance for reporting environmental liabilities (EL) by asserting readiness for an audit for DERP cleanup.

### Success Indicators

5.2.1 All required elements in CFO Strategic Plan on track.

- 90% or greater = GREEN
- 80-90% = AMBER
- <80% = RED

5.2.2 Site-level data in FFMIA compliant database of record (AEDB-R) annually passes QA reviews:

- 100% = GREEN
- 75-99% = AMBER
- <75% = RED

### Actions

FY10 Status: Passed AAA review of supporting documentation; documented in draft AAA report entitled "Examination of Supporting Documentation of Select Army Environmental Liabilities", dated 20 Aug 09.

#### FY11 Actions

- Implement sustainable business process to report Active Installations – IRP, MMRP and Building Demolition and Debris Removal (BD/DR)
- Implement internal control program to ensure accurate site-level liability data for Active Installations - IRP, MMRP and BD/DR
- Accrue environmental liabilities for Non-BRAC – Environmental Corrective Action (ECA)
- Reconcile environmental restoration sites with identified liabilities to the Real Property Inventory (RPI) - IRP, MMRP, BD/DR, Non-BRAC - ECA
- Obtain an update on the status of the Geographic Information System (GIS) pilot study from OUSD - IRP, MMRP, BD/DR, Non-BRAC - ECA
- Review details, procedures and findings which result from the GIS pilot study to develop an implementation plan to conduct reconciliation between EL sites and real property records - IRP, MMRP, BD/DR, Non-BRAC - ECA
- Implement EL/RP reconciliation process and protocol based on the outcome of the OUSD GIS pilot study - IRP, MMRP, BD/DR, Non-BRAC - ECA

- Verify that updated Real Property Unit Identification (RPUID) values have been captured in AEDB - IRP, MMRP, BD/DR, Non-BRAC - ECA
- Reconcile environmental restoration sites with Real Property Inventory, once RP inventory values are received from RP contacts - IRP, MMRP, BD/DR, Non-BRAC - ECA
- Reconcile the RPUID number for each site with their associated EL record - IRP, MMRP, BD/DR, Non-BRAC - ECA
- Provide Audit Readiness Validation Plan (Environmental Liabilities and Disposal Liabilities)
- Provide Audit Readiness Validation Plan (Environmental Liabilities and Disposal Liabilities) to audit community for review

#### FY12 and Beyond Actions

- Maintain compliant environmental liabilities process and controls.

#### Target

5.3 Submit input to financial statement Note 14 (disclosures and reasons for fluctuations and abnormalities) quarterly by 5<sup>th</sup> of month following end of quarter.

#### Success Indicators

##### 5.3.1 Required report submitted:

- On time = GREEN
- Within 5 days of target date = AMBER
- Late by more than 5 days = RED

#### Actions

##### FY11 Actions

- Work with Resource Management to report liabilities on rolling 12 month basis.
- Work with FHRD to insure accurate information is provided in the report.

#### FY12 and Beyond Actions

- Continue FY11 actions on annual basis.

### **Objective 6**

**Develop cleanup partnerships with appropriate federal, Tribal, state, local, territorial, or host-nation authorities.**

#### Target

6.1 Involve regulatory stakeholders in annual IAP development and revision process and incorporate Joint Execution Plan development into the IAP process.

#### Actions

##### FY11 Actions

- Develop and distribute the IAP development schedule No Later Than (NLT) 31 Oct 09.
- Ensure IAP development schedule is updated and accessible to allow the installations time to coordinate with the regulatory stakeholders. **While USAEC no longer coordinates formal IAP workshops, USAEC encourages installations to continue conducting them to ensure stakeholder involvement in planning.**

- Discuss the need for regulatory stakeholder involvement during IAP training.
- Post public IAPs within one week of document finalization.

FY12 and Beyond Actions

- Develop and distribute the IAP development schedule NLT 31 Oct of each FY.
- Ensure IAP development schedule is updated and accessible to allow the installations time to coordinate with the regulatory stakeholders.

Target

6.2 Ensure installations are fulfilling their lead agent responsibilities under CERCLA 104 for notification and coordination of studies and response actions with Natural Resource Trustees.

Actions

FY11 Actions

- USAEC ERMs or NGB Environmental Division, as appropriate, query installations for records of Natural Resource Trustee Notifications and NRT responses - Mar 11.
- Work with installations to complete required notifications by Sep 11.

FY12 and Beyond Actions

- Continue to monitor natural resource trustee notification and coordination by installations.

**Objective 7**

**Promote and support public stakeholder participation in the cleanup process, as appropriate, and make site-level cleanup information available to the public.**

Target

7.1 Survey community for interest in establishing a RAB every two years.

Success Indicators

7.1.1 Interest determined as scheduled.

Actions

FY11 Actions

- Ensure installations without a RAB are determining interest every two years (Reported through IAP).

FY12 and Beyond Actions

- Ensure installations seek public interest in forming RABs.

Target

7.2 Involve public stakeholders in annual IAP development/revision.

Success Indicators

7.2.1 Public stakeholders participate in IAP development.

Actions

FY11 Actions

- Develop and distribute the IAP development schedule NLT 31 Oct 10.
- Ensure IAP development schedule is updated and accessible to allow the installations time to coordinate with the regulatory stakeholders. **While USAEC no longer coordinates formal IAP workshops, USAEC encourages installations to continue conducting them to ensure stakeholder involvement in planning.**
- Discuss the need for public stakeholder involvement during IAP training.
- Post public IAPs within one week of document finalization.

#### FY12 and Beyond Actions

- Develop and distribute the IAP development schedule NLT 31 Oct.
- Ensure IAP development schedule is updated and accessible to allow the installations time to coordinate with the regulatory stakeholders.

#### Target

7.3 As required by CERCLA, the National Contingency Plan (NCP), and the DERP Management Guidance, maintain an information repository so that CERCLA cleanup information is available to the public.

#### Success Indicators

7.3.1 An Administrative Record at a single location on the installation and an information repository (i.e., Administrative Record file plus any other background information) available to the public at a location at or near the installation.

#### Actions

##### FY11 Actions

- USAEC ERMs conduct annual inspections of installation Administrative Records and Information Repositories with Installation RPMs.

##### FY12 and Beyond Actions

- USAEC ERMs conduct annual inspections of installation Administrative Records and Information Repositories with Installation RPMs.

### **Objective 8**

Support the development and use of cost-effective cleanup approaches and technologies to improve program efficiency.

#### Target

8.1 Implement PBA for ER,A (IR, CR, MR) annually to the maximum extent practicable.

#### Success Indicators

- 8.1.1 Percentage of overall program budget obligated on PBA contracts annually.
- 50% or more = GREEN
  - 40%-49% = AMBER
  - <40% = RED

#### Actions

FY10 Status: Awarded 37% of ER,A on PBA; however, contributing to the lower than projected amount was the cost avoidance/savings realized. Contracts awarded using a performance-based approach were 58% below cost-to-complete based estimates and 37%

below independent government cost estimates. A total of 32 new PBA contracts were awarded in FY10; the highest number since the PBA effort was initiated.

**FY11 Actions**

- Screen 100% of installations for PBA application by 01 Oct 10.
- Establish FY11 PBA installation list by 1 Oct 10.
- Fund PBA prior year awards (CLINs) (Total value = \$9M).
- Award \$163.3M on new PBA contracts (50% of \$344.6M or \$172.3M minus \$9M on existing PBAs).
- Continue outreach to: vendor community, stakeholders, and installations.
- Update and expand guidance and training and disseminate on an Army-wide basis.
- Develop and maintain matrix of contractor performance against performance objectives to track success of PBA initiative.
- Award new PBA Multiple Award Task Order Contract – 30 Jun 11

**FY12 and Beyond Actions**

- Continue annual planning and contracting actions.

Target

8.2 Streamline program management to maximize the amount of funding going to actual remediation at the restoration sites.

Success Indicators

- 8.2.1 Program management costs (including Agency for Toxic Substances and Disease Registry, RAB, Technical Assistance for Public Participation, and Defense and State Memorandum of Agreement costs) do not exceed 11 percent of the total ER,A program:
- 11% or less = GREEN
  - 11.1% - 12% = AMBER
  - >12% = RED

Actions

FY10 Status: Per direction from ACSIM ISE, this metric has been deleted.

Target

8.3 Streamline project execution to maximize the amount of funding going to actual remediation at the restoration sites.

Success Indicators

- 8.3.1 Project Management costs do not exceed eight percent of the total ER,A program:
- 8% or less = GREEN
  - 8.1% - 8.5% = AMBER
  - >8.5% = RED

Actions

FY10 Status: Project management costs totaled 6.4% in FY10 (\$28M)

**FY11 Actions**

- Negotiate appropriate level of technical oversight of contracted efforts.

- Track project management costs.
- Expand use of regional RAO/LTM.

#### FY12 and Beyond Actions

- Continue investigating use of regional approaches.

#### Target

8.4 Review overall environmental cleanup acquisition strategy for all IRP/MMRP installations with AEDB-R sites annually.

#### Success Indicators

- 8.4.1 Complete validation of 100 percent new sites and sites that change phase:
- 90% or greater = GREEN
  - 80-89% = AMBER
  - <80% = RED

#### Actions

##### FY11 Actions

- Review acquisition strategy as part of the IAP updates.
- Screen 100% of installations for PBA application by 01 Oct 10.

##### FY12 and Beyond Actions

- Continue FY11 actions.

#### Target

8.5 Evaluate and implement, as appropriate, innovative and/or more efficient or effective technologies, business strategies, commercial practices, and incentives in coordination with installation environmental personnel and Army Commands to meet environmental requirement.

#### Actions

##### FY11 Actions

- Conduct optimization studies of operating cleanup systems in conjunction with scheduled Five-Year Reviews utilizing the Corps of Engineers CX.
- Incorporate system modifications, as appropriate.
- Submit Draft Risk-Management Response Policy for MMRP to ESOH by Dec 10.
- Finalize Risk-Management Response Policy for MMRP by Mar 11.
- Gain regulatory acceptance of Risk Management Approach by Sep 11.
- Develop RI expectation guidance for PBA contracts (e.g., characterization to support LUCs) by Jan 11.

##### FY12 and Beyond Actions

- Continuation of RAO optimization efforts.

Target

8.6 Consider green remediation approaches to existing and future remedies.

Actions

FY11 Actions

- Monitor USEPA guidance on green remediation.
- Incorporate green remediation selection criteria into Feasibility Studies as appropriate.
- Incorporate evaluation of green approaches in remedial action operations optimization efforts.

FY12 and Beyond Actions

- Continuation of FY11 actions.

Target

8.7 Employ the Army's SMART cleanup strategy when making remedy selection decisions.

Actions

FY11 Actions

- Employ the principles to the extent practicable within the selection criteria established under CERCLA and the NCP.

FY12 and Beyond Actions

- Continuation of FY11 actions.

Target

8.8 Establish and maintain a centralized database to track and manage LUCs created as part of a restoration program response action.

Success Indicators

8.8.1 GIS layers of all IRP/MMRP sites deployed on Army Mapper by the end of FY11.

8.8.2 First LUC management report produced by the end of FY11.

FY11 Actions

- Final LUC Documentation, Implementation and Maintenance Guide (IMCOM only) - Mar 11.
- Collect GIS Data for existing LUCs by Sep 11.
- Produce first LUC management report by Sep 11.
- Add Environmental Restoration Information System sample location layer to Army Mapper by Sep 11.
- Establish GIS site layers on Army Mapper for all AEDB-R sites (IR, CR, and MMRP), with a current or future phase, by the end of FY11.

FY12 and Beyond Actions

- Broaden GIS coverage to non-IMCOM installations.
- Support inspections of LUCs by Environmental Performance Assessment System Team.
- Tag archived LUC documents in the Repository of Environmental Army Documents (READ).
- Incorporate link between Army Mapper and HQAES.

## **Objective 9**

Perform semiannual program management reviews of cleanup progress against established targets, and conduct periodic reviews of sites where contamination remains in place.

### Target

9.1 Conduct quarterly program reviews of installation progress toward RIP/RC goals and contract execution.

### Success Indicators

9.1.1 Meetings occur in accordance with (IAW) the established schedule.

### Actions

#### FY11 Actions

- Conduct 1st quarter baseline review - Oct 10.
- Complete follow-up on identified actions - Dec 10.
- Conduct 2nd quarter review - Jan 11.
- Complete follow-up on identified actions - Mar 11.
- Conduct 3rd quarter review - Apr 11.
- Complete follow-up on identified actions - Jun 11.
- Conduct 4th quarter review - Jul 11.
- Complete follow-up on identified actions - Sep 11.

#### FY12 and Beyond Actions

Repeat review actions specified each FY.

### Target

9.2 Conduct quarterly program execution reviews with ISE and ESOH.

### Success Indicators

9.2.1 Meetings occur IAW the established schedule and appropriate program adjustments are made.

### Actions

#### FY11 Actions

- Conduct 1st quarter progress review – Jan 11.
- Conduct 2nd quarter progress review – Apr 11.
- Conduct 3rd quarter progress review - Jul 11.
- Conduct end-of-year progress review - Sep 11.

#### FY12 and Beyond Actions

Repeat review actions specified each FY.



## Appendix A Excess Installation Restoration

**NOTE - ALL OF THE OBJECTIVES, TARGETS, AND ACTIONS FOR THE ACTIVE IR PROGRAM APPLY TO THE EXCESS PROGRAM AS WELL. WE DON'T DIFFERENTIATE OUR MANAGEMENT OF THE TWO. THE ONLY THING THAT CHANGES IS THE COORDINATION WITH BRAC DIVISION (BRACD). THE OBJECTIVES, TARGETS AND ACTIONS FOR THE ACTIVE IR/MR PROGRAM NEED TO BE CAPTURED FOR THE EXCESS SITES AS WELL. THE 28 MARCH 2009 ARMY ENVIRONMENTAL CLEANUP STRATEGIC PLAN ADDRESSES ADDITIONAL NON-IRP CLEANUP OBJECTIVES FOR EXCESS PROPERTIES.**

Action Items
<p>FY11 Actions</p> <ul style="list-style-type: none"><li>• Periodic reviews (see 9.1 Active Sites Cleanup).</li><li>• All Active Sites Cleanup objectives/actions apply to Excess installations.</li><li>• Perform Quality Control activities on the FY11 AEDB-R Data Call financial data.</li><li>• Perform Quality Assurance CTC Reviews at selected installations.</li><li>• PAO and security review of IAP Public Versions as requested by BRACD.</li></ul> <p>FY12 and Beyond Actions</p> <ul style="list-style-type: none"><li>• Periodic reviews (see 9.1 of Active Sites Cleanup).</li><li>• All Active IRP and MMRP objectives/actions apply.</li><li>• Perform Quality Control activities on the annual AEDB-R Data Call financial data.</li><li>• Perform Quality Assurance CTC Reviews at selected installations.</li></ul>

## **Appendix B**

### **BRAC Cleanup Program**

***NOTE: USAEC'S BRAC PROGRAM MANAGEMENT AND TECHNICAL OVERSIGHT SUPPORT EFFORTS ARE COVERED HERE.***

<b>Action Items</b>
<p><b>FY11 Actions</b></p> <ul style="list-style-type: none"><li>• Establish a Memorandum of Agreement (MOA) between USAEC and BRAC Division detailing specific support requirements and roles/responsibilities – Dec 10 to include:<ul style="list-style-type: none"><li>• Program management support (AEDB-R, Report to Congress, Workplan, etc - most of the program management objectives we do for Active Sites Cleanup).</li><li>• Provide analysis support on program progress.</li><li>• Coordinate and conduct BRAC IAP development efforts and develop IAPs for Legacy and BRAC 05 installations.</li><li>• Perform Quality Control activities on the FY10 AEDB-R Data Call financial data.</li><li>• Perform Quality Assurance Cost-to-Complete Reviews at selected BRAC installations.</li><li>• Assist BRAC Division in evaluating awarding, and tracking PBA initiatives.</li><li>• Provide technical support at selected BRAC installations.</li></ul></li></ul> <p><b>FY12 and Beyond Actions</b></p> <ul style="list-style-type: none"><li>• As detailed in the MOA.</li></ul>

## Appendix C

### Compliance Related Cleanup

Action Items
<p>FY11 Actions</p> <ul style="list-style-type: none"> <li>• Centrally manage IMCOM CC program management - Implement IMCOM Compliance-Related Cleanup PMP</li> <li>• Support IMCOM, BRAC Division, and Army Commands to determine program eligibility and program guidance.</li> <li>• Conduct IAP development efforts to capture financial liabilities and completion schedules.</li> <li>• Assist IMCOM, BRAC Division, and Army Commands in assessing and analyzing program requirements for eligibility and effective use of resources.</li> <li>• Participate in revisions to the Compliance Cleanup Guide as needed.</li> <li>• Assist IMCOM, BRAC Division, and Army Commands to implement non-DERP Quality Control activities similar to the DERP and BRAC programs.</li> <li>• Support Quality Control activities on the FY11 AEDB-CC Spring Data Call financial data.</li> <li>• Perform Quality Assurance CTC Reviews at selected installations.</li> <li>• Assist IMCOM, BRAC Division, and Army Commands in evaluating, awarding, and tracking PBA initiatives.</li> </ul> <p>FY12 and Beyond Actions</p> <ul style="list-style-type: none"> <li>• Continue FY11 actions.</li> </ul>

## APPENDIX D

### IRP Site RIP/RC Schedule for FY11 (Fall 2010 Data)

INSTALLATION	SITE	RIP/RC DATE
ABERDEEN PROVING GROUND	AAOA03	1/31/2011
ABERDEEN PROVING GROUND	EABR11-B	9/30/2011
ABERDEEN PROVING GROUND	EABR15-A	7/31/2011
ABERDEEN PROVING GROUND	EABR15-B	7/31/2011
ABERDEEN PROVING GROUND	EAOE08	7/31/2011
ABERDEEN PROVING GROUND	EAOE51	7/31/2011
ABERDEEN PROVING GROUND	EAOF04	9/30/2011
AMSA 137	WSMC-01	6/30/2011
CHARLES MELVIN PRICE SUPPORT CENTER	CMPSC-040	9/30/2011
DESERET CHEMICAL DEPOT	TEAD(S)-05	9/30/2011
DUGWAY PROVING GROUND	DPG-192	9/30/2011
DUGWAY PROVING GROUND	DPG-204	9/30/2011
FORT CARSON	FTC-006	9/30/2011
FORT CARSON	FTC-011	9/30/2011
FORT CARSON	FTC-012	9/30/2011
FORT CARSON	FTC-017	12/31/2010
FORT CARSON	FTC-020	9/30/2011
FORT CARSON	FTC-026	9/30/2011
FORT CARSON	FTC-070	9/30/2011
FORT CARSON	FTC-093	9/30/2011
FORT GEORGE G MEADE	FGGM-95	5/31/2011
FORT GEORGE G MEADE	FGGM-96	5/31/2011
FORT GORDON	FTGD-046	6/30/2011
FORT GORDON	FTGD-047	9/30/2011
FORT GORDON	FTGD-048	9/30/2011
FORT GORDON	FTGD-049	9/30/2011
FORT GORDON	FTGD-050	9/30/2011
FORT GORDON	FTGD-051	9/30/2011
FORT GORDON	FTGD-054	9/30/2011
FORT GREELY	FGLY-075	9/30/2011
FORT LEONARD WOOD	FLW-012	6/30/2011
FORT LEONARD WOOD	FLW-019	6/30/2011
FORT LEONARD WOOD	FLW-028	11/30/2010
FORT LEWIS	FTLE-62	9/30/2011
FORT LEWIS	FTLE-73	3/31/2011
FORT LEWIS	PBC@FortLewis	3/31/2011

## APPENDIX D

### IRP Site RIP/RC Schedule for FY11 (Fall 2010 Data)

INSTALLATION	SITE	RIP/RC DATE
FORT MCCLELLAN ARNG	PBC @ FM-ARNG	11/30/2010
HAINES PIPELINE	HNS-03	4/30/2011
HAINES PIPELINE	HNS-04	4/30/2011
HUNTER ARMY AIRFIELD	HAA-09	8/31/2011
HUNTER ARMY AIRFIELD	HAA-18	1/31/2011
IOWA ARMY AMMUNITION PLANT	IAAP-020	10/31/2010
IOWA ARMY AMMUNITION PLANT	PBC at Iowa	9/30/2011
MCALESTER ARMY AMMUNITION PLANT	PBA@MCAAP	10/31/2010
MILAN ARMY AMMUNITION PLANT	MAAP-017A	9/30/2011
MILITARY OCEAN TERMINAL CONCORD	MOTCO-002	10/31/2010
MILITARY OCEAN TERMINAL CONCORD	MOTCO-026A	9/30/2011
MILITARY OCEAN TERMINAL CONCORD	MOTCO-036	3/31/2011
MILITARY OCEAN TERMINAL CONCORD	MOTCO-038	9/30/2011
MILITARY OCEAN TERMINAL CONCORD	MOTCO-039	9/30/2011
MILITARY OCEAN TERMINAL CONCORD	MOTCO-040	9/30/2011
PICATINNY ARSENAL	PICA-013	9/30/2011
PICATINNY ARSENAL	PICA-015	9/30/2011
PICATINNY ARSENAL	PICA-057	9/30/2011
PICATINNY ARSENAL	PICA-192	9/30/2011
RADFORD ARMY AMMUNITION PLANT	RAAP-005	12/31/2010
RADFORD ARMY AMMUNITION PLANT	RAAP-009	4/30/2011
RADFORD ARMY AMMUNITION PLANT	RAAP-010	1/31/2011
RADFORD ARMY AMMUNITION PLANT	RAAP-011	12/31/2010
RADFORD ARMY AMMUNITION PLANT	RAAP-013	12/31/2010
RADFORD ARMY AMMUNITION PLANT	RAAP-018	12/31/2010
RADFORD ARMY AMMUNITION PLANT	RAAP-023	12/31/2010
RADFORD ARMY AMMUNITION PLANT	RAAP-037	12/31/2010
RADFORD ARMY AMMUNITION PLANT	RAAP-044	4/30/2011
RAVENNA ARMY AMMUNITION PLANT	RVAAP-01	10/31/2010
REDSTONE ARSENAL	MSFC-035	6/30/2011
REDSTONE ARSENAL	RSA-048	9/30/2011
REDSTONE ARSENAL	RSA-054	9/30/2011
REDSTONE ARSENAL	RSA-059	9/30/2011
REDSTONE ARSENAL	RSA-096	9/30/2011
REDSTONE ARSENAL	RSA-097	6/30/2011
REDSTONE ARSENAL	RSA-109	12/31/2010

## APPENDIX D

### IRP Site RIP/RC Schedule for FY11 (Fall 2010 Data)

INSTALLATION	SITE	RIP/RC DATE
REDSTONE ARSENAL	RSA-126	5/31/2011
REDSTONE ARSENAL	RSA-134	1/31/2011
REDSTONE ARSENAL	RSA-135H	8/31/2011
REDSTONE ARSENAL	RSA-140	4/30/2011
REDSTONE ARSENAL	RSA-189	8/31/2011
REDSTONE ARSENAL	RSA-190	8/31/2011
REDSTONE ARSENAL	RSA-208	8/31/2011
REDSTONE ARSENAL	RSA-210	8/31/2011
REDSTONE ARSENAL	RSA-211	8/31/2011
REDSTONE ARSENAL	RSA-212	8/31/2011
REDSTONE ARSENAL	RSA-214	9/30/2011
REDSTONE ARSENAL	RSA-225	9/30/2011
REDSTONE ARSENAL	RSA-237	8/31/2011
REDSTONE ARSENAL	RSA-253	3/31/2011
REDSTONE ARSENAL	RSA-262	9/30/2011
REDSTONE ARSENAL	RSA-265	9/30/2011
REDSTONE ARSENAL	RSA-269	6/30/2011
REDSTONE ARSENAL	RSA-271	6/30/2011
REDSTONE ARSENAL	RSA-272	6/30/2011
REDSTONE ARSENAL	RSA-274	8/31/2011
REDSTONE ARSENAL	RSA-276	6/30/2011
REDSTONE ARSENAL	RSA-C	12/31/2010
ROCK ISLAND ARSENAL	RIA-001A	6/30/2011
ROCK ISLAND ARSENAL	RIA-014	10/31/2010
ROCKY MOUNTAIN ARSENAL	NCSA-3	10/31/2010
ROCKY MOUNTAIN ARSENAL	NFU-MNP	5/31/2011
ST LOUIS ORDNANCE PLANT	SLOP-01	9/30/2011
TWIN CITIES ARMY AMMUNITION PLANT	TCAAP-25	9/30/2011
VOLUNTEER ARMY AMMUNITION PLANT	VAAP-02	12/31/2010
VOLUNTEER ARMY AMMUNITION PLANT	VAAP-18	5/31/2011
VOLUNTEER ARMY AMMUNITION PLANT	VAAP-36	12/31/2010
VOLUNTEER ARMY AMMUNITION PLANT	VAAP-37	12/31/2010
WHITE SANDS MISSILE RANGE	WSMR-54	9/30/2011
WHITE SANDS MISSILE RANGE	WSMR-55	9/30/2011

## Appendix E

### Installation IRP RIP/RC Schedule for FY11 and Beyond (Fall 2010 Data)

Fiscal Year	Installation	RIP RC Date
2011	AMSA 137	Jun-11
2011	FORT GORDON	Sep-11
2011	FORT LEWIS	Sep-11
2011	IOWA ARMY AMMUNITION PLANT	Sep-11
2011	ROCKY MOUNTAIN ARSENAL	May-11
2011	ST LOUIS ORDNANCE PLANT	Sep-11
2011	TWIN CITIES ARMY AMMUNITION PLANT	Sep-11
2012	AFRC ALBANY	Nov-11
2012	DUGWAY PROVING GROUND	Sep-12
2012	FORT LEONARD WOOD	Sep-12
2012	FORT MCCLELLAN ARNG	Nov-11
2012	FORT RUCKER	Sep-12
2012	FORT WAINWRIGHT	Jun-12
2012	HAINES PIPELINE	Apr-12
2012	LETTERKENNY ARMY DEPOT	Jun-12
2012	PARKS RESERVE FORCES TRAINING AREA	Dec-11
2012	PHOENIX MILITARY RESERVATION	Jun-12
2012	SOLDIER SYSTEMS CENTER	Sep-12
2013	ANNISTON ARMY DEPOT	Oct-12
2013	BADGER ARMY AMMUNITION PLANT	Sep-13
2013	CHARLES MELVIN PRICE SUPPORT CENTER	Sep-13
2013	DESERET CHEMICAL DEPOT	Jun-13
2013	FORT BUCHANAN	Oct-12
2013	FORT CARSON	Sep-13
2013	FORT EUSTIS	Dec-12
2013	FORT RICHARDSON	Nov-12
2013	FORT STEWART	Oct-12
2013	HAWTHORNE ARMY DEPOT	Sep-13
2013	HUNTER ARMY AIRFIELD	Oct-12
2013	MILITARY OCEAN TERMINAL CONCORD	Feb-13
2013	RADFORD ARMY AMMUNITION PLANT	Dec-12
2013	ROCK ISLAND ARSENAL	Dec-12
2013	WELDON SPRING TRAINING AREA	Oct-12
2013	WHITE SANDS MISSILE RANGE	Dec-12
2014	FORT GEORGE G MEADE	Nov-13
2014	FORT GREELY	Sep-14
2014	FORT LEAVENWORTH	Dec-13

**Appendix E**  
**Installation IRP RIP/RC Schedule for FY11 and Beyond**  
**(Fall 2010 Data)**

<b>Fiscal Year</b>	<b>Installation</b>	<b>RIP RC Date</b>
2014	FORT RILEY	Sep-14
2014	LONGHORN ARMY AMMUNITION PLANT	Oct-13
2014	MCALESTER ARMY AMMUNITION PLANT	Dec-13
2014	MILAN ARMY AMMUNITION PLANT	Sep-14
2014	PICATINNY ARSENAL	Sep-14
2014	RAVENNA ARMY AMMUNITION PLANT	Sep-14
2014	RED RIVER ARMY DEPOT	Sep-14
2014	REDSTONE ARSENAL	Sep-14
2014	VOLUNTEER ARMY AMMUNITION PLANT	Sep-14
2015	FOREST GLEN	Jan-15
2015	FORT BELVOIR	Sep-15
2015	FORT DETRICK	Sep-15
2016	ABERDEEN PROVING GROUND	Sep-16



## APPENDIX F

### IRP Phase Completion Schedule for FY11 (Fall 2010 Data)

INSTALLATION	SITE	PHASE	END DATE
ABERDEEN PROVING GROUND	AAOA03	RD	10/31/2010
ABERDEEN PROVING GROUND	AAOA03	RA(C)	1/31/2011
ABERDEEN PROVING GROUND	AAWB02	RI/FS	6/30/2011
ABERDEEN PROVING GROUND	AAWB04	RI/FS	6/30/2011
ABERDEEN PROVING GROUND	AAWB04	RD	8/31/2011
ABERDEEN PROVING GROUND	EABR11-A	RI/FS	2/28/2011
ABERDEEN PROVING GROUND	EABR11-A	RD	3/31/2011
ABERDEEN PROVING GROUND	EABR11-A	RA(C)	9/30/2011
ABERDEEN PROVING GROUND	EABR11-B	RI/FS	2/28/2011
ABERDEEN PROVING GROUND	EABR11-B	RD	3/31/2011
ABERDEEN PROVING GROUND	EABR11-B	RA(C)	9/30/2011
ABERDEEN PROVING GROUND	EABR11-C	RI/FS	6/30/2011
ABERDEEN PROVING GROUND	EABR11-C	RD	7/31/2011
ABERDEEN PROVING GROUND	EABR11-I	RI/FS	6/30/2011
ABERDEEN PROVING GROUND	EABR11-I	RD	7/31/2011
ABERDEEN PROVING GROUND	EABR15-A	RD	1/31/2011
ABERDEEN PROVING GROUND	EABR15-A	RA(C)	7/31/2011
ABERDEEN PROVING GROUND	EABR15-B	RD	1/31/2011
ABERDEEN PROVING GROUND	EABR15-B	RA(C)	7/31/2011
ABERDEEN PROVING GROUND	EACC5B	RD	4/30/2011
ABERDEEN PROVING GROUND	EAOE08	RD	3/31/2011
ABERDEEN PROVING GROUND	EAOE08	RA(C)	7/31/2011
ABERDEEN PROVING GROUND	EAOE12	RI/FS	9/30/2011
ABERDEEN PROVING GROUND	EAOE30	RI/FS	9/30/2011
ABERDEEN PROVING GROUND	EAOE39	RI/FS	9/30/2011
ABERDEEN PROVING GROUND	EAOE51	RD	2/28/2011
ABERDEEN PROVING GROUND	EAOE51	RA(C)	7/31/2011
ABERDEEN PROVING GROUND	EAOF04	RA(C)	9/30/2011
AMSA 137	WSMC-01	RA(C)	6/30/2011
ANNISTON ARMY DEPOT	ANAD-01	RI/FS	9/30/2011
ANNISTON ARMY DEPOT	ANAD-01	IRA	8/31/2011
BADGER ARMY AMMUNITION PLANT	BAAP-001	RD	12/31/2010
BADGER ARMY AMMUNITION PLANT	BAAP-40	RI/FS	9/30/2011
BADGER ARMY AMMUNITION PLANT	BAAP-40	RD	9/30/2011
CAMP NAVAJO	NAAD-100	LTM	12/31/2010
CHARLES MELVIN PRICE SUPPORT CENTER	CMPSC-002	RI/FS	9/30/2011

## APPENDIX F

### IRP Phase Completion Schedule for FY11 (Fall 2010 Data)

INSTALLATION	SITE	PHASE	END DATE
CHARLES MELVIN PRICE SUPPORT CENTER	CMPSC-040	RA(C)	9/30/2011
COLD REGIONS RESEARCH LABORATORY	CECRL-002	RA(O)	11/30/2010
COLD REGIONS RESEARCH LABORATORY	CECRL-009	RA(O)	11/30/2010
CORNHUSKER ARMY AMMUNITION PLANT	CAAP-003	LTM	9/30/2011
DESERET CHEMICAL DEPOT	TEAD(S)-05	RA(C)	6/30/2011
DESERET CHEMICAL DEPOT	TEAD(S)-20	RA(C)	9/30/2011
DESERET CHEMICAL DEPOT	TEAD(S)-28	RA(C)	9/30/2011
DUGWAY PROVING GROUND	DPG-011	RI/FS	9/30/2011
DUGWAY PROVING GROUND	DPG-011	RD	9/30/2011
DUGWAY PROVING GROUND	DPG-192	RA(C)	9/30/2011
DUGWAY PROVING GROUND	DPG-204	RA(C)	9/30/2011
FOREST GLEN	FTGL-01	RI/FS	8/31/2011
FORT BELVOIR	FTBL-51	RA(O)	3/31/2011
FORT BELVOIR	FTBL-65	RA(O)	10/31/2010
FORT BELVOIR	FTBL-69	RI/FS	9/30/2011
FORT BENNING	FBSB-99	RA(O)	9/30/2011
FORT BLISS	FTBL-019	LTM	9/30/2011
FORT BLISS	FTBL-075	LTM	9/30/2011
FORT BLISS	FTBL-079	LTM	9/30/2011
FORT BLISS	FTBL-083	LTM	1/31/2011
FORT CARSON	FTC-006	RD	10/31/2010
FORT CARSON	FTC-006	RA(C)	9/30/2011
FORT CARSON	FTC-011	RD	10/31/2010
FORT CARSON	FTC-011	RA(C)	9/30/2011
FORT CARSON	FTC-012	RD	10/31/2010
FORT CARSON	FTC-012	RA(C)	9/30/2011
FORT CARSON	FTC-017	RI/FS	12/31/2010
FORT CARSON	FTC-020	RD	10/31/2010
FORT CARSON	FTC-020	RA(C)	9/30/2011
FORT CARSON	FTC-026	RD	10/31/2010
FORT CARSON	FTC-026	RA(C)	9/30/2011
FORT CARSON	FTC-070	RD	10/31/2010
FORT CARSON	FTC-070	RA(C)	9/30/2011
FORT CARSON	FTC-093	RD	10/31/2010
FORT CARSON	FTC-093	RA(C)	9/30/2011
FORT DRUM	FTD-030B	RA(O)	12/31/2010

## APPENDIX F

### IRP Phase Completion Schedule for FY11 (Fall 2010 Data)

INSTALLATION	SITE	PHASE	END DATE
FORT DRUM	FTD-030C	RA(O)	12/31/2010
FORT DRUM	FTD-031	RA(O)	12/31/2010
FORT DRUM	FTD-089	RA(O)	12/31/2010
FORT DRUM	FTD-091	RA(O)	12/31/2010
FORT GEORGE G MEADE	FGGM 07	RI/FS	8/31/2011
FORT GEORGE G MEADE	FGGM 13	RI/FS	6/30/2011
FORT GEORGE G MEADE	FGGM 17	RI/FS	9/30/2011
FORT GEORGE G MEADE	FGGM 47	RI/FS	8/31/2011
FORT GEORGE G MEADE	FGGM 86	RI/FS	8/31/2011
FORT GEORGE G MEADE	FGGM 88	RI/FS	8/31/2011
FORT GEORGE G MEADE	FGGM 89	RI/FS	8/31/2011
FORT GEORGE G MEADE	FGGM 90	RI/FS	8/31/2011
FORT GEORGE G MEADE	FGGM 91	RI/FS	8/31/2011
FORT GEORGE G MEADE	FGGM 92	RI/FS	8/31/2011
FORT GEORGE G MEADE	FGGM 93	RI/FS	8/31/2011
FORT GEORGE G MEADE	FGGM-95	SI	5/31/2011
FORT GEORGE G MEADE	FGGM-96	SI	5/31/2011
FORT GORDON	FTGD-046	RI/FS	12/31/2010
FORT GORDON	FTGD-046	IRA	6/30/2011
FORT GORDON	FTGD-047	RI/FS	9/30/2011
FORT GORDON	FTGD-048	RI/FS	9/30/2011
FORT GORDON	FTGD-049	RI/FS	9/30/2011
FORT GORDON	FTGD-050	RI/FS	9/30/2011
FORT GORDON	FTGD-051	RI/FS	9/30/2011
FORT GORDON	FTGD-054	RI/FS	9/30/2011
FORT GREELY	FGLY-075	RI/FS	9/30/2011
FORT GREELY	FGLY-099	IRA	9/30/2011
FORT JACKSON	FTJA-34	RA(O)	9/30/2011
FORT LEAVENWORTH	FTL-04	LTM	6/30/2011
FORT LEE	FTLE-11	LTM	9/30/2011
FORT LEE	FTLE-15	LTM	9/30/2011
FORT LEONARD WOOD	FLW-008	IRA	6/30/2011
FORT LEONARD WOOD	FLW-012	RI/FS	6/30/2011
FORT LEONARD WOOD	FLW-012	RD	6/30/2011
FORT LEONARD WOOD	FLW-012	RA(C)	6/30/2011
FORT LEONARD WOOD	FLW-019	RI/FS	4/30/2011

## APPENDIX F

### IRP Phase Completion Schedule for FY11 (Fall 2010 Data)

INSTALLATION	SITE	PHASE	END DATE
FORT LEONARD WOOD	FLW-019	RD	6/30/2011
FORT LEONARD WOOD	FLW-019	RA(C)	6/30/2011
FORT LEONARD WOOD	FLW-028	RI/FS	10/31/2010
FORT LEWIS	FTLE-62	RI/FS	10/31/2010
FORT LEWIS	FTLE-62	RA(C)	9/30/2011
FORT LEWIS	FTLE-73	RI/FS	10/31/2010
FORT LEWIS	FTLE-73	RA(C)	3/31/2011
FORT LEWIS	PBC@FortLewis	RI/FS	3/31/2011
FORT LEWIS	PBC@FortLewis	RA(C)	3/31/2011
FORT LEWIS	PBC@FortLewis	SI	3/31/2011
FORT MCCLELLAN ARNG	FTMCN-011	RI/FS	12/31/2010
FORT MCCLELLAN ARNG	FTMCN-011	RD	12/31/2010
FORT MCCLELLAN ARNG	PBC @ FM-ARNG	RI/FS	11/30/2010
FORT MCCLELLAN ARNG	PBC @ FM-ARNG	RD	11/30/2010
FORT MCCLELLAN ARNG	PBC @ FM-ARNG	RA(C)	11/30/2010
FORT MCCOY	FTMC-02	LTM	6/30/2011
FORT MCCOY	FTMC-03	LTM	6/30/2011
FORT MCNAIR	FTMCN-08	LTM	9/30/2011
FORT MCNAIR	FTMCN-09	LTM	9/30/2011
FORT MCPHERSON	FTMP-06	RA(O)	6/30/2011
FORT RILEY	FTRI-056	IRA	9/30/2011
FORT RILEY	FTRI-074	LTM	9/30/2011
FORT STEWART	PBA@Stewart	RI/FS	3/31/2011
FORT STEWART	PBA@Stewart	RD	3/31/2011
HAINES PIPELINE	HNS-03	RA(C)	4/30/2011
HAINES PIPELINE	HNS-04	RA(C)	4/30/2011
HAWTHORNE ARMY DEPOT	PBC@Hawthorne	RA(O)	8/31/2011
HUNTER ARMY AIRFIELD	HAA-09	RA(C)	8/31/2011
HUNTER ARMY AIRFIELD	HAA-18	RI/FS	1/31/2011
INDIANA ARMY AMMUNITION PLANT	INAAP-25	RA(O)	9/30/2011
IOWA ARMY AMMUNITION PLANT	IAAP-020	RA(C)	10/31/2010
IOWA ARMY AMMUNITION PLANT	PBC at Iowa	RA(C)	9/30/2011
LONGHORN ARMY AMMUNITION PLANT	LHAAP-016	RD	5/31/2011
LONGHORN ARMY AMMUNITION PLANT	LHAAP-017	RD	4/30/2011

## APPENDIX F

### IRP Phase Completion Schedule for FY11 (Fall 2010 Data)

INSTALLATION	SITE	PHASE	END DATE
LONGHORN ARMY AMMUNITION PLANT	LHAAP-018	IRA	2/28/2011
LONGHORN ARMY AMMUNITION PLANT	LHAAP-018	RD	7/31/2011
LONGHORN ARMY AMMUNITION PLANT	LHAAP-024	IRA	2/28/2011
LONGHORN ARMY AMMUNITION PLANT	LHAAP-024	RD	7/31/2011
LONGHORN ARMY AMMUNITION PLANT	LHAAP-029	RD	4/30/2011
LONGHORN ARMY AMMUNITION PLANT	LHAAP-050	RD	2/28/2011
MCALESTER ARMY AMMUNITION PLANT	PBA@MCAAP	RD	10/31/2010
MCALESTER ARMY AMMUNITION PLANT	PBA@MCAAP	RA(C)	10/31/2010
MILAN ARMY AMMUNITION PLANT	MAAP-017A	RA(C)	9/30/2011
MILITARY OCEAN TERMINAL CONCORD	MOTCO-002	RI/FS	10/31/2010
MILITARY OCEAN TERMINAL CONCORD	MOTCO-026A	SI	9/30/2011
MILITARY OCEAN TERMINAL CONCORD	MOTCO-031	RI/FS	10/31/2010
MILITARY OCEAN TERMINAL CONCORD	MOTCO-031	RD	12/31/2010
MILITARY OCEAN TERMINAL CONCORD	MOTCO-032	RD	10/31/2010
MILITARY OCEAN TERMINAL CONCORD	MOTCO-033	RD	10/31/2010
MILITARY OCEAN TERMINAL CONCORD	MOTCO-035	LTM	10/31/2010
MILITARY OCEAN TERMINAL CONCORD	MOTCO-036	SI	3/31/2011
MILITARY OCEAN TERMINAL CONCORD	MOTCO-037	RA(O)	9/30/2011
MILITARY OCEAN TERMINAL CONCORD	MOTCO-038	SI	9/30/2011
MILITARY OCEAN TERMINAL CONCORD	MOTCO-039	SI	9/30/2011
MILITARY OCEAN TERMINAL CONCORD	MOTCO-040	SI	9/30/2011
MILITARY OCEAN TERMINAL CONCORD	PBA@MOTCO	SI	3/31/2011
MTC-H CAMP ROBERTS	CPRO-10	RA(O)	9/30/2011
MTC-H CAMP ROBERTS	PBC at Roberts	LTM	9/30/2011
NATIONAL TRAINING CENTER AND FORT IRWIN	FTIR-11	LTM	10/31/2010
PARKS RESERVE FORCES TRAINING AREA	PRFTA-02	RD	12/31/2010
PICATINNY ARSENAL	PICA-013	RI/FS	9/30/2011
PICATINNY ARSENAL	PICA-013	RD	9/30/2011
PICATINNY ARSENAL	PICA-013	RA(C)	9/30/2011
PICATINNY ARSENAL	PICA-015	RI/FS	9/30/2011
PICATINNY ARSENAL	PICA-015	RA(C)	9/30/2011
PICATINNY ARSENAL	PICA-057	RI/FS	9/30/2011
PICATINNY ARSENAL	PICA-192	RI/FS	9/30/2011
RADFORD ARMY AMMUNITION PLANT	PBC @ Radford	RD	6/30/2011
RADFORD ARMY AMMUNITION PLANT	RAAP-005	RI/FS	12/31/2010
RADFORD ARMY AMMUNITION PLANT	RAAP-009	RD	1/31/2011

## APPENDIX F

### IRP Phase Completion Schedule for FY11 (Fall 2010 Data)

INSTALLATION	SITE	PHASE	END DATE
RADFORD ARMY AMMUNITION PLANT	RAAP-009	RA(C)	1/31/2011
RADFORD ARMY AMMUNITION PLANT	RAAP-010	RI/FS	1/31/2011
RADFORD ARMY AMMUNITION PLANT	RAAP-011	RI/FS	12/31/2010
RADFORD ARMY AMMUNITION PLANT	RAAP-013	RI/FS	12/31/2010
RADFORD ARMY AMMUNITION PLANT	RAAP-014	RD	12/31/2010
RADFORD ARMY AMMUNITION PLANT	RAAP-018	RI/FS	12/31/2010
RADFORD ARMY AMMUNITION PLANT	RAAP-022	RD	10/31/2010
RADFORD ARMY AMMUNITION PLANT	RAAP-022	RA(C)	5/31/2011
RADFORD ARMY AMMUNITION PLANT	RAAP-023	RI/FS	12/31/2010
RADFORD ARMY AMMUNITION PLANT	RAAP-037	RI/FS	12/31/2010
RADFORD ARMY AMMUNITION PLANT	RAAP-044	RD	12/31/2010
RADFORD ARMY AMMUNITION PLANT	RAAP-044	RA(C)	4/30/2011
RAVENNA ARMY AMMUNITION PLANT	RVAAP-01	RD	10/31/2010
RAVENNA ARMY AMMUNITION PLANT	RVAAP-01	RA(C)	10/31/2010
RAVENNA ARMY AMMUNITION PLANT	RVAAP-08	RD	10/31/2010
RAVENNA ARMY AMMUNITION PLANT	RVAAP-09	RD	10/31/2010
RAVENNA ARMY AMMUNITION PLANT	RVAAP-10	RD	10/31/2010
RAVENNA ARMY AMMUNITION PLANT	RVAAP-11	RD	10/31/2010
RAVENNA ARMY AMMUNITION PLANT	RVAAP-12	IRA	10/31/2010
RED RIVER ARMY DEPOT	RRAD-99	RI/FS	1/31/2011
RED RIVER ARMY DEPOT	RRAD-99	RD	9/30/2011
REDSTONE ARSENAL	MSFC-027	IRA	5/31/2011
REDSTONE ARSENAL	MSFC-035	SI	6/30/2011
REDSTONE ARSENAL	RSA-048	RI/FS	9/30/2011
REDSTONE ARSENAL	RSA-048	RA(C)	9/30/2011
REDSTONE ARSENAL	RSA-054	RI/FS	9/30/2011
REDSTONE ARSENAL	RSA-054	RA(C)	9/30/2011
REDSTONE ARSENAL	RSA-059	RI/FS	9/30/2011
REDSTONE ARSENAL	RSA-059	RA(C)	9/30/2011
REDSTONE ARSENAL	RSA-095	RI/FS	8/31/2011
REDSTONE ARSENAL	RSA-096	RI/FS	1/31/2011
REDSTONE ARSENAL	RSA-096	RD	3/31/2011
REDSTONE ARSENAL	RSA-096	RA(C)	7/31/2011
REDSTONE ARSENAL	RSA-097	RI/FS	4/30/2011
REDSTONE ARSENAL	RSA-097	RA(C)	4/30/2011
REDSTONE ARSENAL	RSA-109	SI	12/31/2010

## APPENDIX F

### IRP Phase Completion Schedule for FY11 (Fall 2010 Data)

INSTALLATION	SITE	PHASE	END DATE
REDSTONE ARSENAL	RSA-113	RI/FS	1/31/2011
REDSTONE ARSENAL	RSA-126	RI/FS	1/31/2011
REDSTONE ARSENAL	RSA-126	RA(C)	5/31/2011
REDSTONE ARSENAL	RSA-134	RI/FS	12/31/2010
REDSTONE ARSENAL	RSA-134	RA(C)	1/31/2011
REDSTONE ARSENAL	RSA-135H	SI	8/31/2011
REDSTONE ARSENAL	RSA-140	RI/FS	4/30/2011
REDSTONE ARSENAL	RSA-142	RI/FS	8/31/2011
REDSTONE ARSENAL	RSA-143	RA(O)	2/28/2011
REDSTONE ARSENAL	RSA-189	SI	8/31/2011
REDSTONE ARSENAL	RSA-190	SI	8/31/2011
REDSTONE ARSENAL	RSA-208	SI	8/31/2011
REDSTONE ARSENAL	RSA-210	SI	8/31/2011
REDSTONE ARSENAL	RSA-211	SI	8/31/2011
REDSTONE ARSENAL	RSA-212	SI	8/31/2011
REDSTONE ARSENAL	RSA-214	SI	9/30/2011
REDSTONE ARSENAL	RSA-225	SI	9/30/2011
REDSTONE ARSENAL	RSA-227	IRA	5/31/2011
REDSTONE ARSENAL	RSA-237	SI	8/31/2011
REDSTONE ARSENAL	RSA-253	SI	3/31/2011
REDSTONE ARSENAL	RSA-258	IRA	7/31/2011
REDSTONE ARSENAL	RSA-262	RI/FS	9/30/2011
REDSTONE ARSENAL	RSA-265	SI	9/30/2011
REDSTONE ARSENAL	RSA-269	SI	6/30/2011
REDSTONE ARSENAL	RSA-271	SI	6/30/2011
REDSTONE ARSENAL	RSA-272	SI	6/30/2011
REDSTONE ARSENAL	RSA-274	SI	8/31/2011
REDSTONE ARSENAL	RSA-276	SI	6/30/2011
REDSTONE ARSENAL	RSA-C	SI	12/31/2010
ROCK ISLAND ARSENAL	RIA-001	RD	10/31/2010
ROCK ISLAND ARSENAL	RIA-001A	SI	6/30/2011
ROCK ISLAND ARSENAL	RIA-014	RA(C)	10/31/2010
ROCKY MOUNTAIN ARSENAL	NCSA-3	RA(C)	10/31/2010
ROCKY MOUNTAIN ARSENAL	NFU-MNP	RA(C)	5/31/2011
ST LOUIS ORDNANCE PLANT	SLOP-01	RI/FS	9/30/2011
ST LOUIS ORDNANCE PLANT	SLOP-01	RD	9/30/2011

## APPENDIX F

### IRP Phase Completion Schedule for FY11 (Fall 2010 Data)

INSTALLATION	SITE	PHASE	END DATE
ST LOUIS ORDNANCE PLANT	SLOP-01	RA(C)	9/30/2011
TWIN CITIES ARMY AMMUNITION PLANT	TCAAP-25	RI/FS	9/30/2011
VOLUNTEER ARMY AMMUNITION PLANT	VAAP-02	RA(C)	12/31/2010
VOLUNTEER ARMY AMMUNITION PLANT	VAAP-18	RA(C)	5/31/2011
VOLUNTEER ARMY AMMUNITION PLANT	VAAP-35	RD	9/30/2011
VOLUNTEER ARMY AMMUNITION PLANT	VAAP-36	RI/FS	12/31/2010
VOLUNTEER ARMY AMMUNITION PLANT	VAAP-37	RI/FS	12/31/2010
WHITE SANDS MISSILE RANGE	WSMR-11	LTM	6/30/2011
WHITE SANDS MISSILE RANGE	WSMR-30	LTM	6/30/2011
WHITE SANDS MISSILE RANGE	WSMR-35	LTM	6/30/2011
WHITE SANDS MISSILE RANGE	WSMR-54	RA(C)	9/30/2011
WHITE SANDS MISSILE RANGE	WSMR-55	RA(C)	9/30/2011
WHITE SANDS MISSILE RANGE	WSMR-57	LTM	6/30/2011
WHITE SANDS MISSILE RANGE	WSMR-60	LTM	6/30/2011
WHITE SANDS MISSILE RANGE	WSMR-67	LTM	6/30/2011
WHITE SANDS MISSILE RANGE	WSMR-72	LTM	6/30/2011
WHITE SANDS MISSILE RANGE	WSMR-74	LTM	6/30/2011
WHITE SANDS MISSILE RANGE	WSMR-75	LTM	6/30/2011
WHITE SANDS MISSILE RANGE	WSMR-77	LTM	6/30/2011
WHITE SANDS MISSILE RANGE	WSMR-84	LTM	6/30/2011



## APPENDIX G

### CR Site RIP/RC Schedule for FY11 (Fall 2010 Data)

INSTALLATION	SITE	RIP/RC DATE
TS AFRC LOS ALAMITOS	CCCAJFTB1	10/31/2010
FORT BELVOIR	CC-A18	10/31/2010
FORT BELVOIR	CC-A19	10/31/2010
FORT BELVOIR	CC-A28	10/31/2010
FORT BELVOIR	CC-F06	10/31/2010
FORT BELVOIR	CC-L09	10/31/2010
FORT CARSON	CC SW163	10/31/2010
FORT WAINWRIGHT	CC-FTWW-02	10/31/2010
SCHOFIELD BARRACKS	CCSB0018	10/31/2010
FORT JACKSON	CCAOC Q	10/31/2010
IOWA ARMY AMMUNITION PLANT	CC-01	12/31/2010
FORT BELVOIR	CC-DAAF1	12/31/2010
FORT LEONARD WOOD	CCFLW-009	12/31/2010
FORT CARSON	CC 107	12/31/2010
FORT LEWIS	CC FL04	12/31/2010
FORT BRAGG	CCFTBR0016	12/31/2010
FORT KNOX	CCFTK-103	12/31/2010
REDSTONE ARSENAL	CCSWMU-247	1/31/2011
FORT DRUM	CCFD10470W	2/28/2011
SAGINAW	CC0001	5/31/2011
FORT BUCHANAN	CCFB04S008	6/30/2011
CAMP GRUBER	CC-0001-DP	6/30/2011
DESERET CHEMICAL DEPOT	CC-005	6/30/2011
DESERET CHEMICAL DEPOT	CC-007	6/30/2011
ABERDEEN PROVING GROUND	CCAPG04425	6/30/2011
FORT POLK	CCBldg7016	6/30/2011
REDSTONE ARSENAL	CCSWMU-035	8/31/2011
MOFFETT FIELD USARC	CCMOF-01	9/30/2011
ABERDEEN PROVING GROUND	CCAPG00745	9/30/2011
FORT BELVOIR	CC-A025	9/30/2011
FORT BELVOIR	CC-A05	9/30/2011
FORT BELVOIR	CC-A06	9/30/2011

**APPENDIX G**  
**CR Site RIP/RC Schedule for FY11**  
**(Fall 2010 Data)**

INSTALLATION	SITE	RIP/RC DATE
FORT BELVOIR	CC-A08A16	9/30/2011
FORT BELVOIR	CC-A09	9/30/2011
FORT BELVOIR	CC-A11	9/30/2011
FORT BELVOIR	CC-A12	9/30/2011
FORT BELVOIR	CC-A14	9/30/2011
FORT BELVOIR	CC-A26	9/30/2011
FORT BELVOIR	CC-A29	9/30/2011
FORT BELVOIR	CC-E06	9/30/2011
FORT BELVOIR	CC-E14	9/30/2011
FORT BELVOIR	CC-L05	9/30/2011
FORT BELVOIR	CC-MP1	9/30/2011
FORT BELVOIR	CC-N23	9/30/2011
FORT CARSON	CC 106	9/30/2011
FORT CARSON	CC SW166	9/30/2011
FORT CARSON	CC SW169	9/30/2011
FORT LEWIS	CC FL05	9/30/2011
FORT LEWIS	CC FL08	9/30/2011
FORT LEWIS	CC FL10	9/30/2011
FORT RILEY	CC-FTRI-10	9/30/2011
FORT BRAGG	CCFTBR0048	9/30/2011
FORT BRAGG	CCFTBR0075	9/30/2011
FORT BRAGG	CCFTBR0076	9/30/2011
FORT BRAGG	CCFTBR0078	9/30/2011
FORT CAMPBELL	CCSFTC172K	9/30/2011
FORT JACKSON	CCUST 1699	9/30/2011
FORT JACKSON	CCUST4522	9/30/2011
NATIONAL TRAINING CENTER AND FORT IRWIN	CCDW-05	9/30/2011
WHITE SANDS MISSILE RANGE	CCWS-09	9/30/2011

## APPENDIX H

### CR Phase Completion Schedule for FY11 (Fall 2010 Data)

INSTALLATION	SITE	PHASE	END DATE
ABERDEEN PROVING GROUND	CCAPG00745	SI	9/30/2011
ABERDEEN PROVING GROUND	CCAPG04425	RI/FS	6/30/2011
ABERDEEN PROVING GROUND	CCAPG04425	IRA	6/30/2011
ABERDEEN PROVING GROUND	CCAPG05042	RA(O)	9/30/2011
ABERDEEN PROVING GROUND	CCAPG05426	RI/FS	6/30/2011
AKIAK FEDERAL SCOUT ARMORY	CCAK010940	RI/FS	9/30/2011
AVIATION SUPPLY FACILITY, 49-A	CC-FL024	RD	12/31/2010
AVIATION SUPPLY FACILITY, 49-A	CC-FL024	RA(C)	9/30/2011
CAMP GRUBER	CC-0001-DP	RA(C)	6/30/2011
DESERET CHEMICAL DEPOT	CC-001	RI/FS	12/31/2010
DESERET CHEMICAL DEPOT	CC-003	RA(C)	9/30/2011
DESERET CHEMICAL DEPOT	CC-004	RA(C)	9/30/2011
DESERET CHEMICAL DEPOT	CC-005	SI	12/31/2010
DESERET CHEMICAL DEPOT	CC-006	RA(C)	9/30/2011
DESERET CHEMICAL DEPOT	CC-007	SI	12/31/2010
FORT BELVOIR	CC-A025	RI/FS	3/31/2011
FORT BELVOIR	CC-A025	RA(C)	8/31/2011
FORT BELVOIR	CC-A05	RI/FS	10/31/2010
FORT BELVOIR	CC-A05	RA(C)	8/31/2011
FORT BELVOIR	CC-A06	RI/FS	3/31/2011
FORT BELVOIR	CC-A06	RA(C)	9/30/2011
FORT BELVOIR	CC-A07	RI/FS	3/31/2011
FORT BELVOIR	CC-A08A16	RI/FS	3/31/2011
FORT BELVOIR	CC-A08A16	RA(C)	8/31/2011
FORT BELVOIR	CC-A09	RI/FS	3/31/2011
FORT BELVOIR	CC-A09	RA(C)	8/31/2011
FORT BELVOIR	CC-A11	RI/FS	3/31/2011
FORT BELVOIR	CC-A11	RA(C)	8/31/2011
FORT BELVOIR	CC-A12	RI/FS	3/31/2011
FORT BELVOIR	CC-A12	RA(C)	8/31/2011
FORT BELVOIR	CC-A14	RI/FS	9/30/2011
FORT BELVOIR	CC-A18	RI/FS	10/31/2010
FORT BELVOIR	CC-A19	RI/FS	10/31/2010
FORT BELVOIR	CC-A26	RI/FS	3/31/2011
FORT BELVOIR	CC-A26	RA(C)	8/31/2011
FORT BELVOIR	CC-A28	RI/FS	10/31/2010

## APPENDIX H

### CR Phase Completion Schedule for FY11 (Fall 2010 Data)

INSTALLATION	SITE	PHASE	END DATE
FORT BELVOIR	CC-A29	SI	9/30/2011
FORT BELVOIR	CC-AOPC-20 BNA	RI/FS	8/31/2011
FORT BELVOIR	CC-AOPC-20 BNA	IRA	12/31/2010
FORT BELVOIR	CCBLDG305	LTM	12/31/2010
FORT BELVOIR	CCBLDG3161	RA(O)	10/31/2010
FORT BELVOIR	CC-DAAF1	RI/FS	12/31/2010
FORT BELVOIR	CC-E06	RI/FS	3/31/2011
FORT BELVOIR	CC-E06	RA(C)	8/31/2011
FORT BELVOIR	CC-E14	RI/FS	3/31/2011
FORT BELVOIR	CC-E14	RA(C)	8/31/2011
FORT BELVOIR	CC-F06	RI/FS	10/31/2010
FORT BELVOIR	CC-L05	RI/FS	3/31/2011
FORT BELVOIR	CC-L05	RA(C)	8/31/2011
FORT BELVOIR	CC-L09	RI/FS	10/31/2010
FORT BELVOIR	CC-MP1	RI/FS	3/31/2011
FORT BELVOIR	CC-MP1	RA(C)	8/31/2011
FORT BELVOIR	CC-N23	RI/FS	3/31/2011
FORT BELVOIR	CC-N23	RA(C)	8/31/2011
FORT BENNING	CC-1622	RA(O)	9/30/2011
FORT BENNING	CC-FBSB-102	IRA	9/30/2011
FORT BRAGG	CCFTBR0016	RA(C)	12/31/2010
FORT BRAGG	CCFTBR0025	LTM	9/30/2011
FORT BRAGG	CCFTBR0048	RA(C)	9/30/2011
FORT BRAGG	CCFTBR0074	RI/FS	9/30/2011
FORT BRAGG	CCFTBR0074	RA(C)	9/30/2011
FORT BRAGG	CCFTBR0075	SI	9/30/2011
FORT BRAGG	CCFTBR0076	SI	9/30/2011
FORT BRAGG	CCFTBR0078	SI	9/30/2011
FORT BUCHANAN	CCFB04S007	RI/FS	1/31/2011
FORT BUCHANAN	CCFB04S007	RD	1/31/2011
FORT BUCHANAN	CCFB04S008	RA(C)	6/30/2011
FORT BUCHANAN	CCFB07S001	RI/FS	3/31/2011
FORT CAMPBELL	CCSFTC172K	RI/FS	9/30/2011
FORT CARSON	CC 085	LTM	9/30/2011
FORT CARSON	CC 102	LTM	9/30/2011
FORT CARSON	CC 106	RA(C)	9/30/2011

## APPENDIX H

### CR Phase Completion Schedule for FY11 (Fall 2010 Data)

INSTALLATION	SITE	PHASE	END DATE
FORT CARSON	CC 106	RA(O)	9/30/2011
FORT CARSON	CC 107	RA(C)	12/31/2010
FORT CARSON	CC SW001	RD	10/31/2010
FORT CARSON	CC SW021	RD	9/30/2011
FORT CARSON	CC SW022	RD	9/30/2011
FORT CARSON	CC SW028	LTM	9/30/2011
FORT CARSON	CC SW035	RD	9/30/2011
FORT CARSON	CC SW163	RI/FS	10/31/2010
FORT CARSON	CC SW166	RI/FS	9/30/2011
FORT CARSON	CC SW169	RI/FS	10/31/2010
FORT CARSON	CC SW169	RD	10/31/2010
FORT CARSON	CC SW169	RA(C)	9/30/2011
FORT DRUM	CCFD10470W	SI	2/28/2011
FORT DRUM	CCFD10470W	IRA	2/28/2011
FORT GORDON	CCSWMU-008	RA(C)	9/30/2011
FORT HUACHUCA	CCFTH-92	SI	7/31/2011
FORT JACKSON	CC AOC K	SI	9/30/2011
FORT JACKSON	CCAOC Q	SI	10/31/2010
FORT JACKSON	CCUST 1699	SI	5/31/2011
FORT JACKSON	CCUST 4120	SI	12/31/2010
FORT JACKSON	CCUST 4120	RI/FS	6/30/2011
FORT JACKSON	CCUST 4120	IRA	9/30/2011
FORT JACKSON	CCUST4522	RA(C)	9/30/2011
FORT JACKSON	CCUST4522	RA(O)	9/30/2011
FORT KNOX	CCFTK-103	RI/FS	12/31/2010
FORT LEONARD WOOD	CCFLW-002	RI/FS	6/30/2011
FORT LEONARD WOOD	CCFLW-004	SI	10/31/2010
FORT LEONARD WOOD	CCFLW-004	RI/FS	3/31/2011
FORT LEONARD WOOD	CCFLW-005	SI	12/31/2010
FORT LEONARD WOOD	CCFLW-006	SI	4/30/2011
FORT LEONARD WOOD	CCFLW-006	IRA	8/31/2011
FORT LEONARD WOOD	CCFLW-007	IRA	5/31/2011
FORT LEONARD WOOD	CCFLW-008	SI	8/31/2011
FORT LEONARD WOOD	CCFLW-009	SI	12/31/2010
FORT LEWIS	CC FL04	RI/FS	10/31/2010
FORT LEWIS	CC FL04	RA(C)	12/31/2010

## APPENDIX H

### CR Phase Completion Schedule for FY11 (Fall 2010 Data)

INSTALLATION	SITE	PHASE	END DATE
FORT LEWIS	CC FL05	RI/FS	10/31/2010
FORT LEWIS	CC FL05	RA(C)	9/30/2011
FORT LEWIS	CC FL08	RI/FS	10/31/2010
FORT LEWIS	CC FL08	RA(C)	9/30/2011
FORT LEWIS	CC FL10	RI/FS	10/31/2010
FORT LEWIS	CC FL10	RA(C)	9/30/2011
FORT POLK	CCBLDG3401	RI/FS	3/31/2011
FORT POLK	CCBLDG3401	RD	6/30/2011
FORT POLK	CCBldg7016	RA(C)	6/30/2011
FORT POLK	CCBldg7199	RD	11/30/2010
FORT POLK	CCBldg8716	RI/FS	4/30/2011
FORT POLK	CCBldg8716	IRA	9/30/2011
FORT POLK	CCBldg8716	RD	8/31/2011
FORT POLK	CCSWMU26	RI/FS	6/30/2011
FORT RILEY	CC-FTRI-01	SI	9/30/2011
FORT RILEY	CC-FTRI-10	SI	9/30/2011
FORT STEWART	CCHOTS-419	SI	12/31/2010
FORT STEWART	CCHOTS-419	RI/FS	9/30/2011
FORT STEWART	CCUSTVICT	SI	12/31/2010
FORT WAINWRIGHT	CC-FTWW-01	LTM	9/30/2011
FORT WAINWRIGHT	CC-FTWW-02	RA(C)	10/31/2010
IOWA ARMY AMMUNITION PLANT	CC-01	RI/FS	12/31/2010
IOWA ARMY AMMUNITION PLANT	CC-IAAP-001	RI/FS	9/30/2011
IOWA ARMY AMMUNITION PLANT	CC-IAAP-002	RI/FS	9/30/2011
MOBILE OMS 28 & 29	CCALTCE28	RD	3/31/2011
MOBILE OMS 28 & 29	CCALTCE28	RA(C)	9/30/2011
MOFFETT FIELD USARC	CCMOF-01	SI	9/30/2011
MTC CAMP BLANDING	CCFL12156	RI/FS	6/30/2011
MTC CAMP BLANDING	CCFL12156	IRA	6/30/2011
MTC CAMP BLANDING	CCFL12156B	RA(O)	12/31/2010
NATIONAL TRAINING CENTER AND FORT IRWIN	CCDW-05	RI/FS	9/30/2011
NG EEK ARMORY	CCAK090931	RI/FS	9/30/2011
NG KASIGLUK ARMORY	CCAK155971	RI/FS	9/30/2011
NG KWETHLUK ARMORY	CCAK210941	RI/FS	9/30/2011
NG NAPAKIAK ARMORY	CCAK235941	RI/FS	9/30/2011
NG NAPASKIAK ARMORY	CCAK240941	RI/FS	9/30/2011

## APPENDIX H

### CR Phase Completion Schedule for FY11 (Fall 2010 Data)

INSTALLATION	SITE	PHASE	END DATE
NG NIGHTMUTE ARMORY	CCAK245971	RI/FS	9/30/2011
NG NUNAPITCHUK ARMORY	CCAK270931	RI/FS	9/30/2011
NG TOKSOOK BAY ARMORY	CCAK355941	RI/FS	9/30/2011
NG TUNTUTULIAK ARMORY	CCAK365951	RI/FS	9/30/2011
NG TUNUNAK ARMORY	CCAK370981	RI/FS	9/30/2011
PICATINNY ARSENAL	CC-055	RI/FS	5/31/2011
RAVENNA ARMY AMMUNITION PLANT	CC RVAAP-68	SI	9/30/2011
RAVENNA ARMY AMMUNITION PLANT	CC RVAAP-69	SI	9/30/2011
RAVENNA ARMY AMMUNITION PLANT	CC RVAAP-70	SI	9/30/2011
RAVENNA ARMY AMMUNITION PLANT	CC RVAAP-72	SI	9/30/2011
RAVENNA ARMY AMMUNITION PLANT	CC RVAAP-73	SI	9/30/2011
RAVENNA ARMY AMMUNITION PLANT	CC RVAAP-74	SI	9/30/2011
RAVENNA ARMY AMMUNITION PLANT	CC RVAAP-75	SI	9/30/2011
RAVENNA ARMY AMMUNITION PLANT	CC RVAAP-76	SI	9/30/2011
RAVENNA ARMY AMMUNITION PLANT	CC RVAAP-77	SI	9/30/2011
REDSTONE ARSENAL	CCSWMU-009	RI/FS	9/30/2011
REDSTONE ARSENAL	CCSWMU-030	RI/FS	6/30/2011
REDSTONE ARSENAL	CCSWMU-030	RA(C)	9/30/2011
REDSTONE ARSENAL	CCSWMU-035	RI/FS	6/30/2011
REDSTONE ARSENAL	CCSWMU-246	IRA	4/30/2011
REDSTONE ARSENAL	CCSWMU-247	RI/FS	1/31/2011
REDSTONE ARSENAL	CCSWMU-287	RI/FS	9/30/2011
REDSTONE ARSENAL	CCSWMU-287	IRA	5/31/2011
REDSTONE ARSENAL	CCSWMU-293	RI/FS	9/30/2011
ROCK ISLAND ARSENAL	CC-RIA-69	RI/FS	12/31/2010
ROCK ISLAND ARSENAL	CC-RIA-69	RD	12/31/2010
SAGINAW	CC0001	RA(C)	4/30/2011
SCHOFIELD BARRACKS	CCSB0017	SI	6/30/2011
SCHOFIELD BARRACKS	CCSB0018	SI	10/31/2010
SIERRA ARMY DEPOT	CC-SIAD601	SI	1/31/2011
TRIPLER ARMY MEDICAL CENTER	CCTAMC0001	SI	11/30/2010
WAIAWA GULCH	CC-WG-001	RI/FS	12/31/2010
WAIAWA GULCH	CC-WG-001	RA(C)	9/30/2011
WEST POINT MIL RESERVATION	CC719Remed	RA(C)	12/31/2010
WHITE SANDS MISSILE RANGE	CCWS-09	RA(C)	9/30/2011
WHITE SANDS MISSILE RANGE	CCWS-77	RD	9/30/2011

**APPENDIX H**  
**CR Phase Completion Schedule for FY11**  
**(Fall 2010 Data)**

INSTALLATION	SITE	PHASE	END DATE
YUMA PROVING GROUND	CCYPG-027	RD	10/31/2010
YUMA PROVING GROUND	CCYPG-028	RD	9/30/2011
YUMA PROVING GROUND	CCYPG-029	RI/FS	9/30/2011
YUMA PROVING GROUND	CCYPG-141	RI/FS	10/31/2010
YUMA PROVING GROUND	CCYPG-141	RD	9/30/2011
YUMA PROVING GROUND	CCYPG-178	RI/FS	10/31/2010
YUMA PROVING GROUND	CCYPG-178	RD	9/30/2011



**APPENDIX I**  
**MMRP Site RIP/RC Schedule for FY11**  
**(Fall 2010 Data)**

<b>Installation</b>	<b>Site</b>	<b>RIP/RC</b>
FORT BELVOIR	FTBL-005-R-05	201010
SIERRA ARMY DEPOT	SIAD-007-R-01	201012
SIERRA ARMY DEPOT	SIAD-012-R-01	201012
SIERRA ARMY DEPOT	SIAD-013-R-01	201012
LONGHORN ARMY AMMUNITION PLANT	LHAAP-001-R-01	201101
LONGHORN ARMY AMMUNITION PLANT	LHAAP-003-R-01	201101
REDSTONE ARSENAL	RSA-234-R-01	201101
FORT LEWIS	FTLEW-008-R-01	201103
RADFORD ARMY AMMUNITION PLANT	RFAAP-001-R-01	201103
WHEELER ARMY AIRFIELD	WAAF-009-R-01	201103
FORT HUACHUCA	FTHU-007-R-01	201104
MILAN ARMY AMMUNITION PLANT	MAAP-003-R-01	201105
FORT MCCLELLAN ARNG	FTMCN-002-R-01	201106
FORT RICHARDSON	FTRS-001-R-01	201106
FORT RICHARDSON	FTRS-002-R-01	201106
FORT RICHARDSON	FTRS-006-R-01	201106
FORT RICHARDSON	FTRS-008-R-01	201106
FORT RICHARDSON	FTRS-012-R-01	201106
FORT RICHARDSON	FTRS-014-R-01	201106
FORT RICHARDSON	FTRS-015-R-01	201106
MTA-L CAMP WILLIAMS WEST FED	WILLI-008-R-01	201107
MTA-L CAMP WILLIAMS WEST FED	WILLI-009-R-01	201107
FORT MCCLELLAN ARNG	FTMCN-001-R-01	201109
FORT RUCKER	FTRU-004-R-01	201109
FORT WAINWRIGHT	FTWW-002-R-01	201109
FORT WAINWRIGHT	FTWW-004-R-01	201109
FORT WAINWRIGHT	FTWW-008-R-01	201109
FORT WAINWRIGHT	FTWW-010-R-01	201109
IOWA ARMY AMMUNITION PLANT	IAAP-002-R-02	201109
IOWA ARMY AMMUNITION PLANT	IAAP-003-R-01	201109
IOWA ARMY AMMUNITION PLANT	IAAP-005-R-01	201109
IOWA ARMY AMMUNITION PLANT	IAAP-006-R-02	201109
MILAN ARMY AMMUNITION PLANT	MAAP-001-R-01	201109
RED RIVER ARMY DEPOT	RRAD-002-R-01	201109
RED RIVER ARMY DEPOT	RRAD-007-R-01	201109
WHITE SANDS MISSILE RANGE	WSMR-003-R-01	201109
WHITE SANDS MISSILE RANGE	WSMR-004-R-01	201109
WHITE SANDS MISSILE RANGE	WSMR-006-R-01	201109

## APPENDIX J

### MMRP Phase Completion Schedule for FY11 (Fall 2010 Data)

INSTALLATION	SITE	PHASE	END DATE
BLOSSOM POINT RESEARCH FACILITY	BPF-002-R-01	IRA	9/30/2011
BLOSSOM POINT RESEARCH FACILITY	BPF-002-R-03	IRA	9/30/2011
CAMP FOGARTY TNG SITE	CMFT-001-R-001	IRA	1/31/2011
CLACKAMAS/CAMP WITHYCOMBE	WITH-002-R-001	IRA	8/31/2011
DESERET CHEMICAL DEPOT	DCD-004-R-01	RI/FS	9/30/2011
FORT BELVOIR	FTBL-005-R-05	SI	10/31/2010
FORT BELVOIR	FTBL-014-R-01	RI/FS	9/30/2011
FORT BELVOIR	FTBL-024-R-01	IRA	12/31/2010
FORT BELVOIR	PBA@MR Belvoir	IRA	10/31/2010
FORT BLISS	FTBLS-002-R-01	SI	10/31/2010
FORT HUACHUCA	FTHU-007-R-01	RI/FS	3/31/2011
FORT JACKSON	FTJA-003-R-01	RI/FS	6/30/2011
FORT JACKSON	FTJA-004-R-01	RI/FS	6/30/2011
FORT JACKSON	FTJA-005-R-01	RI/FS	6/30/2011
FORT JACKSON	FTJA-006-R-01	RI/FS	6/30/2011
FORT JACKSON	FTJA-007-R-01	RI/FS	6/30/2011
FORT LEAVENWORTH	FTL-001-R-01	IRA	9/30/2011
FORT LEAVENWORTH	FTL-003-R-01	SI	4/30/2011
FORT LEWIS	FTLEW-008-R-01	RA(C)	3/31/2011
FORT LEWIS	FTLEW-015-R-01	RI/FS	3/31/2011
FORT MCCLELLAN ARNG	FTMCN-001-R-01	RI/FS	6/30/2011
FORT MCCLELLAN ARNG	FTMCN-002-R-01	RI/FS	6/30/2011
FORT POLK	POLK-001-R-01	RI/FS	7/31/2011
FORT POLK	POLK-003-R-01	RI/FS	7/31/2011
FORT POLK	POLK-004-R-01	RI/FS	7/31/2011
FORT RILEY	FTRI-001-R-02	RI/FS	12/31/2010
FORT RILEY	FTRI-001-R-02	RD	3/31/2011
FORT RILEY	FTRI-003-R-01	RI/FS	4/30/2011
FORT RILEY	FTRI-003-R-01	RD	6/30/2011
FORT RUCKER	FTRU-004-R-01	RI/FS	9/30/2011
FORT SILL	FSILL-001-R-01	RI/FS	3/31/2011
FORT SILL	FSILL-002-R-01	RI/FS	9/30/2011
FORT STEWART	FTSW-006-R-01	IRA	11/30/2010
FORT WAINWRIGHT	FTWW-002-R-01	RI/FS	9/30/2011
FORT WAINWRIGHT	FTWW-004-R-01	RI/FS	9/30/2011
FORT WAINWRIGHT	FTWW-008-R-01	RI/FS	9/30/2011

## APPENDIX J

### MMRP Phase Completion Schedule for FY11 (Fall 2010 Data)

INSTALLATION	SITE	PHASE	END DATE
FORT WAINWRIGHT	FTWW-010-R-01	RI/FS	9/30/2011
IOWA ARMY AMMUNITION PLANT	IAAP-001-R-01	RI/FS	9/30/2011
IOWA ARMY AMMUNITION PLANT	IAAP-002-R-01	RI/FS	9/30/2011
IOWA ARMY AMMUNITION PLANT	IAAP-002-R-02	RI/FS	9/30/2011
IOWA ARMY AMMUNITION PLANT	IAAP-003-R-01	RI/FS	9/30/2011
IOWA ARMY AMMUNITION PLANT	IAAP-004-R-01	RI/FS	9/30/2011
IOWA ARMY AMMUNITION PLANT	IAAP-005-R-01	RI/FS	9/30/2011
IOWA ARMY AMMUNITION PLANT	IAAP-006-R-01	RI/FS	9/30/2011
IOWA ARMY AMMUNITION PLANT	IAAP-006-R-02	RI/FS	9/30/2011
LONGHORN ARMY AMMUNITION PLANT	LHAAP-001-R-01	RI/FS	1/31/2011
LONGHORN ARMY AMMUNITION PLANT	LHAAP-003-R-01	RI/FS	1/31/2011
MILAN ARMY AMMUNITION PLANT	MAAP-001-R-01	RI/FS	5/31/2011
MILAN ARMY AMMUNITION PLANT	MAAP-001-R-01	RD	9/30/2011
MILAN ARMY AMMUNITION PLANT	MAAP-001-R-01	RA(C)	9/30/2011
MILAN ARMY AMMUNITION PLANT	MAAP-003-R-01	RI/FS	5/31/2011
MILITARY OCEAN TERMINAL CONCORD	MOTCO-007-R-01	SI	5/31/2011
MILITARY OCEAN TERMINAL CONCORD	MOTCO-008-R-01	SI	5/31/2011
MILITARY OCEAN TERMINAL CONCORD	MOTCO-010-R-01	SI	5/31/2011
MTA-L CAMP WILLIAMS WEST FED	WILLI-008-R-01	RI/FS	7/31/2011
MTA-L CAMP WILLIAMS WEST FED	WILLI-009-R-01	RI/FS	7/31/2011
PAPAGO MILITARY RESERVATION	PMR-001-R-01	RI/FS	2/28/2011
PAPAGO MILITARY RESERVATION	PMR-002-R-01	RI/FS	2/28/2011
RADFORD ARMY AMMUNITION PLANT	RFAAP-001-R-01	RD	1/31/2011
RADFORD ARMY AMMUNITION PLANT	RFAAP-001-R-01	RI/FS	1/31/2011
RADFORD ARMY AMMUNITION PLANT	RFAAP-001-R-01	RA(C)	3/31/2011
RAVENNA ARMY AMMUNITION PLANT	RVAAP-008-R-01	RI/FS	9/30/2011
RAVENNA ARMY AMMUNITION PLANT	RVAAP-033-R-01	RI/FS	9/30/2011
RED RIVER ARMY DEPOT	RRAD-001-R-01	RI/FS	9/30/2011
RED RIVER ARMY DEPOT	RRAD-002-R-01	RI/FS	9/30/2011
RED RIVER ARMY DEPOT	RRAD-006-R-01	RI/FS	9/30/2011
RED RIVER ARMY DEPOT	RRAD-007-R-01	RI/FS	9/30/2011
RED RIVER ARMY DEPOT	RRAD-010-R-01	RI/FS	9/30/2011
REDSTONE ARSENAL	RSA-141-R-01	RI/FS	6/30/2011
REDSTONE ARSENAL	RSA-234-R-01	SI	1/31/2011
REDSTONE ARSENAL	RSA-249-R-01	SI	1/31/2011
REDSTONE ARSENAL	RSA-249-R-01	RI/FS	9/30/2011

**APPENDIX J**  
**MMRP Phase Completion Schedule for FY11**  
**(Fall 2010 Data)**

INSTALLATION	SITE	PHASE	END DATE
SIERRA ARMY DEPOT	PBA@MR SIAD	RI/FS	12/31/2010
SIERRA ARMY DEPOT	SIAD-007-R-01	RI/FS	12/31/2010
SIERRA ARMY DEPOT	SIAD-012-R-01	RI/FS	12/31/2010
SIERRA ARMY DEPOT	SIAD-013-R-01	RI/FS	12/31/2010
TOOELE ARMY DEPOT	PBA@MR Tooele	IRA	12/31/2010
TOOELE ARMY DEPOT	TEAD-004-R-01	IRA	12/31/2010
TOOELE ARMY DEPOT	TEAD-006-R-01	RI/FS	4/30/2011
VOLKSTONE	CPDW-002-R-001	IRA	12/31/2010
WEST POINT MIL RESERVATION	WSTPT-001-R-01	IRA	9/30/2011
WHEELER ARMY AIRFIELD	WAAF-009-R-01	SI	3/31/2011
WHEELER ARMY AIRFIELD	WAAF-010-R-01	SI	10/31/2010
WHITE SANDS MISSILE RANGE	WSMR-003-R-01	RI/FS	9/30/2011
WHITE SANDS MISSILE RANGE	WSMR-004-R-01	RI/FS	9/30/2011
WHITE SANDS MISSILE RANGE	WSMR-006-R-01	RI/FS	9/30/2011
WHITE SANDS MISSILE RANGE	WSMR-007-R-01	RI/FS	9/30/2011
YUMA PROVING GROUND	YPG-002-R-01	RI/FS	9/30/2011

**APPENDIX K**  
**FY11 ER,A Active Sites Workplan**  
**Summary**  
**(\$000)**

	Program	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
<b>IR Projects</b>	<b>127,655</b>	<b>23,572</b>	<b>8,407</b>	<b>16,378</b>	<b>6,958</b>	<b>6,149</b>	<b>23,575</b>	<b>15,981</b>	<b>6,559</b>	<b>4,033</b>	<b>2,714</b>	<b>13,327</b>	
<b>MR Projects</b>	<b>60,120</b>	<b>10,116</b>	<b>6,453</b>	<b>15,437</b>	<b>14,529</b>	<b>3,815</b>	<b>3,354</b>	<b>1,429</b>	<b>315</b>	<b>2,645</b>	<b>917</b>	<b>1,111</b>	
<b>CR Projects</b>	<b>71,447</b>	<b>1,240</b>	<b>5,203</b>	<b>4,049</b>	<b>12,125</b>	<b>67</b>	<b>4,661</b>	<b>13,064</b>	<b>1,107</b>	<b>28,310</b>	<b>39</b>	<b>1,581</b>	
<b>Total Projects</b>	<b>259,222</b>	<b>34,928</b>	<b>20,064</b>	<b>35,864</b>	<b>33,612</b>	<b>10,031</b>	<b>31,590</b>	<b>30,474</b>	<b>7,981</b>	<b>34,988</b>	<b>3,670</b>	<b>16,019</b>	<b>-</b>
<b>ARSDR</b>													
<b>DSMOA</b>	<b>10,340</b>	<b>-</b>	<b>10,340.0</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>USAEC PM</b>	<b>20,154</b>	<b>4,812</b>	<b>74</b>	<b>509</b>	<b>4,895</b>	<b>79</b>	<b>-</b>	<b>4,934</b>	<b>-</b>	<b>204</b>	<b>4,647</b>	<b>-</b>	<b>-</b>
<b>Other PM</b>	<b>54,865</b>	<b>9,120</b>	<b>4,597</b>	<b>-</b>	<b>13,716</b>	<b>-</b>	<b>-</b>	<b>13,716</b>	<b>-</b>	<b>-</b>	<b>13,716</b>	<b>-</b>	<b>-</b>
<b>Totals</b>	<b>344,581</b>	<b>48,860</b>	<b>35,075</b>	<b>36,373</b>	<b>52,223</b>	<b>10,110</b>	<b>31,590</b>	<b>49,124</b>	<b>7,981</b>	<b>35,192</b>	<b>22,093</b>	<b>16,019</b>	<b>-</b>
<b>Cumulative Totals</b>		<b>48,860</b>	<b>83,935</b>	<b>120,308</b>	<b>172,531</b>	<b>182,641</b>	<b>214,231</b>	<b>263,355</b>	<b>271,336</b>	<b>306,528</b>	<b>328,562</b>	<b>344,581</b>	<b>344,581</b>
<b>Obligation Rate</b>		<b>14%</b>	<b>24%</b>	<b>35%</b>	<b>50%</b>	<b>53%</b>	<b>62%</b>	<b>76%</b>	<b>79%</b>	<b>86%</b>	<b>95%</b>	<b>100%</b>	<b>100%</b>

**APPENDIX K**  
**FY11 ER,A Active Sites Workplan**  
**(Installation Budgets)**

Oversight	Installation	Program	FY 2011
AMC	ANNISTON ARMY DEPOT	IR	2954
AMC	ANNISTON ARMY DEPOT	MR	114
AMC	ANNISTON ARMY DEPOT	CR	9
AMC	BLUE GRASS ARMY DEPOT	IR	139
AMC	CRANE ARMY AMMUNITION ACTIVITY	CR	536
AMC	HAWTHORNE ARMY DEPOT	IR	143
AMC	HAWTHORNE ARMY DEPOT	MR	2862
AMC	HAWTHORNE ARMY DEPOT	CR	9259
AMC	HOLSTON ARMY AMMUNITION PLANT	IR	220
AMC	IOWA ARMY AMMUNITION PLANT	IR	526
AMC	IOWA ARMY AMMUNITION PLANT	CR	978
AMC	LAKE CITY ARMY AMMUNITION PLANT	IR	1785
AMC	MCALESTER ARMY AMMUNITION PLANT	IR	56
AMC	MCALESTER ARMY AMMUNITION PLANT	MR	26
AMC	MILAN ARMY AMMUNITION PLANT	IR	3294
AMC	MILITARY OCEAN TERMINAL CONCORD	IR	13033
AMC	MILITARY OCEAN TERMINAL CONCORD	MR	1557
AMC	PINE BLUFF ARSENAL	IR	456
AMC	RADFORD ARMY AMMUNITION PLANT	IR	820
AMC	RADFORD ARMY AMMUNITION PLANT	MR	73
AMC	RADFORD ARMY AMMUNITION PLANT	CR	687
AMC	ROCK ISLAND ARSENAL	IR	981
AMC	ROCK ISLAND ARSENAL	CR	24
AMC	TOBYHANNA ARMY DEPOT	IR	120
AMC	WATERVLIET ARSENAL	IR	124
ARMY RESERVE OFFICE	AFRC ALBANY	IR	605
ARMY RESERVE OFFICE	AMSA 137	IR	157
ARMY RESERVE OFFICE	ATCHISON CAVES STORAGE FACILITY	IR	16
ARMY RESERVE OFFICE	AVIATION SUPPLY FACILITY, 49-A	CR	43
ARMY RESERVE OFFICE	FORT BUCHANAN	IR	380
ARMY RESERVE OFFICE	FORT BUCHANAN	MR	536
ARMY RESERVE OFFICE	FORT BUCHANAN	CR	1902
ARMY RESERVE OFFICE	FORT HUNTER LIGGETT	IR	1597
ARMY RESERVE OFFICE	FORT HUNTER LIGGETT	MR	385
ARMY RESERVE OFFICE	FORT HUNTER LIGGETT	CR	830
ARMY RESERVE OFFICE	FORT MCCOY	IR	53
ARMY RESERVE OFFICE	FORT SNELLING USARC/AMSA	CR	82
ARMY RESERVE OFFICE	LINCOLN AMSA 68	IR	10

## APPENDIX K

### FY11 ER,A Active Sites Workplan (Installation Budgets)

Oversight	Installation	Program	FY 2011
ARMY RESERVE OFFICE	PARKS RESERVE FORCES TRAINING AREA	IR	112
ARMY RESERVE OFFICE	PARKS RESERVE FORCES TRAINING AREA	MR	93
ARMY RESERVE OFFICE	PARKS RESERVE FORCES TRAINING AREA	CR	1140
ARMY RESERVE OFFICE	ST LOUIS ORDNANCE PLANT	IR	363
ARMY RESERVE OFFICE	USARC CAVEN POINT	CR	34
ARMY RESERVE OFFICE	USARC KINGS MILLS (AMSA 59)	IR	80
ARMY RESERVE OFFICE	USARC LODI	CR	606
ARMY RESERVE OFFICE	WELDON SPRING TRAINING AREA	IR	319
ARNG	ANGOON FEDERAL SCOUT ARMORY	MR	35
ARNG	CAMP GRAYLING ARMY AIRFIELD	CR	26
ARNG	CAMP GRUBER	CR	15
ARNG	CAMP MURRAY	MR	12
ARNG	CAMP NAVAJO	IR	120
ARNG	CLACKAMAS/CAMP WITHYCOMBE	MR	124
ARNG	CRAIG ARMORY	MR	15
ARNG	FORT MCCLELLAN ARNG	IR	345
ARNG	HOLY CROSS ARMORY	MR	30
ARNG	HUSLIA FEDERAL SCOUT ARMORY	MR	10
ARNG	JFHQ AK ARNG	MR	430
ARNG	JFHQ AL ARNG	MR	358
ARNG	JFHQ AR ARNG	MR	235
ARNG	JFHQ AZ ARNG	MR	702
ARNG	JFHQ CA ARNG	MR	995
ARNG	JFHQ CO ARNG	MR	779
ARNG	JFHQ CT ARNG	MR	576
ARNG	JFHQ DE ARNG	MR	256
ARNG	JFHQ GA ARNG	MR	381
ARNG	JFHQ HI ARNG	MR	629
ARNG	JFHQ IA ARNG	MR	638
ARNG	JFHQ ID ARNG	MR	446
ARNG	JFHQ IL ARNG	MR	1116
ARNG	JFHQ IN ARNG	MR	449
ARNG	JFHQ KS ARNG	MR	254
ARNG	JFHQ KY ARNG	MR	294
ARNG	JFHQ LA ARNG	MR	52
ARNG	JFHQ MA ARNG	MR	409
ARNG	JFHQ MD ARNG	MR	267
ARNG	JFHQ ME ARNG	MR	689
ARNG	JFHQ MI ARNG	MR	923

## APPENDIX K

### FY11 ER,A Active Sites Workplan (Installation Budgets)

Oversight	Installation	Program	FY 2011
ARNG	JFHQ MN ARNG	MR	729
ARNG	JFHQ MO ARNG	MR	1380
ARNG	JFHQ MS ARNG	MR	336
ARNG	JFHQ MT ARNG	MR	2167
ARNG	JFHQ NC ARNG	MR	225
ARNG	JFHQ ND ARNG	MR	485
ARNG	JFHQ NE ARNG	MR	614
ARNG	JFHQ NJ ARNG	MR	281
ARNG	JFHQ NM ARNG	MR	646
ARNG	JFHQ NV ARNG	MR	325
ARNG	JFHQ NY ARNG	MR	389
ARNG	JFHQ OH ARNG	MR	2864
ARNG	JFHQ OK ARNG	MR	275
ARNG	JFHQ OR ARNG	MR	566
ARNG	JFHQ PA ARNG	MR	881
ARNG	JFHQ RI ARNG	MR	260
ARNG	JFHQ RQ ARNG	MR	459
ARNG	JFHQ SC ARNG	MR	199
ARNG	JFHQ SD ARNG	MR	1492
ARNG	JFHQ TN ARNG	MR	239
ARNG	JFHQ TX ARNG	MR	75
ARNG	JFHQ UT ARNG	MR	1405
ARNG	JFHQ VA ARNG	MR	453
ARNG	JFHQ VI ARNG	MR	331
ARNG	JFHQ VT ARNG	MR	516
ARNG	JFHQ WA ARNG	MR	340
ARNG	JFHQ WI ARNG	MR	589
ARNG	JFHQ WV ARNG	MR	468
ARNG	JFHQ WY ARNG	MR	2053
ARNG	KALTAG FEDERAL SCOUT ARMORY	MR	10
ARNG	KIMAMA TS RUPERT	MR	22
ARNG	KIVALINA FEDERAL SCOUT ARMORY	MR	10
ARNG	LEESBURG TRAINING SITE	CR	9
ARNG	MOBILE OMS 28 & 29	CR	480
ARNG	MTA-L CAMP WILLIAMS WEST FED	MR	647
ARNG	MTC CAMP BLANDING	CR	61
ARNG	MTC-H CAMP ROBERTS	IR	245
ARNG	NG EMMONAK ARMORY	CR	91
ARNG	PAPAGO MILITARY RESERVATION	IR	2



## APPENDIX K

### FY11 ER,A Active Sites Workplan (Installation Budgets)

Oversight	Installation	Program	FY 2011
ARNG	PAPAGO MILITARY RESERVATION	CR	54
ARNG	SELAWIK SCOUT ARMORY	MR	10
ARNG	TS AFRC LOS ALAMITOS	IR	636
ARNG	TS AFRC LOS ALAMITOS	CR	130
ARNG	WAIAWA GULCH	CR	158
BRAC V - BRAC DIVISION	DESERET CHEMICAL DEPOT	IR	2933
BRAC V - BRAC DIVISION	DESERET CHEMICAL DEPOT	MR	2908
IMCOM-NORTHEAST	ABERDEEN PROVING GROUND	IR	13115
IMCOM-NORTHEAST	ABERDEEN PROVING GROUND	MR	3150
IMCOM-NORTHEAST	ABERDEEN PROVING GROUND	CR	368
IMCOM-NORTHEAST	COLD REGIONS RESEARCH LABORATORY	IR	349
IMCOM-NORTHEAST	FORT BELVOIR	IR	2309
IMCOM-NORTHEAST	FORT BELVOIR	MR	4740
IMCOM-NORTHEAST	FORT BELVOIR	CR	29940
IMCOM-NORTHEAST	FORT DRUM	IR	649
IMCOM-NORTHEAST	FORT HAMILTON	CR	257
IMCOM-NORTHEAST	FORT LEE	IR	325
IMCOM-NORTHEAST	FORT LEE	MR	1037
IMCOM-NORTHEAST	FORT LEE	CR	34
IMCOM-NORTHEAST	FORT LEONARD WOOD	IR	829
IMCOM-NORTHEAST	FORT LEONARD WOOD	MR	1667
IMCOM-NORTHEAST	FORT LEONARD WOOD	CR	842
IMCOM-NORTHEAST	FORT MYER	IR	735
IMCOM-NORTHEAST	PICATINNY ARSENAL	IR	2096
IMCOM-NORTHEAST	PICATINNY ARSENAL	MR	1515
IMCOM-NORTHEAST	PICATINNY ARSENAL	CR	176
IMCOM-NORTHEAST	SOLDIER SYSTEMS CENTER	IR	274
IMCOM-NORTHEAST	WEST POINT MIL RESERVATION	IR	2438
IMCOM-NORTHEAST	WEST POINT MIL RESERVATION	CR	19
IMCOM-NORTHWEST	DUGWAY PROVING GROUND	IR	1963
IMCOM-NORTHWEST	DUGWAY PROVING GROUND	MR	2207
IMCOM-NORTHWEST	FORT CARSON	IR	4024
IMCOM-NORTHWEST	FORT CARSON	CR	105
IMCOM-NORTHWEST	FORT LEAVENWORTH	IR	119
IMCOM-NORTHWEST	FORT LEAVENWORTH	MR	2203
IMCOM-NORTHWEST	FORT LEWIS	IR	959
IMCOM-NORTHWEST	FORT LEWIS	MR	260

## APPENDIX K

### FY11 ER,A Active Sites Workplan (Installation Budgets)

Oversight	Installation	Program	FY 2011
IMCOM-NORTHWEST	FORT LEWIS	CR	73
IMCOM-NORTHWEST	FORT RILEY	IR	933
IMCOM-NORTHWEST	FORT RILEY	MR	1247
IMCOM-NORTHWEST	FORT RILEY	CR	141
IMCOM-NORTHWEST	YAKIMA TRAINING CENTER	IR	7
IMCOM-PACIFIC	FORT GREELY	IR	1914
IMCOM-PACIFIC	FORT GREELY	MR	99
IMCOM-PACIFIC	FORT GREELY	CR	322
IMCOM-PACIFIC	FORT SHAFTER	IR	18
IMCOM-PACIFIC	FORT WAINWRIGHT	IR	5718
IMCOM-PACIFIC	FORT WAINWRIGHT	MR	144
IMCOM-PACIFIC	FORT WAINWRIGHT	CR	1129
IMCOM-PACIFIC	HAINES PIPELINE	IR	515
IMCOM-PACIFIC	KUNIA FIELD STATION	IR	23
IMCOM-PACIFIC	MAKUA MILITARY RESERVATION	MR	802
IMCOM-PACIFIC	POHAKULOA TRAINING AREA	IR	38
IMCOM-PACIFIC	POHAKULOA TRAINING AREA	MR	7905
IMCOM-PACIFIC	SCHOFIELD BARRACKS	IR	915
IMCOM-PACIFIC	SCHOFIELD BARRACKS	MR	1368
IMCOM-PACIFIC	SCHOFIELD BARRACKS	CR	52
IMCOM-PACIFIC	TRIPLER ARMY MEDICAL CENTER	IR	100
IMCOM-PACIFIC	WAIKAKALAU AMMO STORAGE TUNNELS	MR	802
IMCOM-PACIFIC	WHEELER ARMY AIRFIELD	MR	240
IMCOM-SOUTHEAST	FORT BENNING	IR	1251
IMCOM-SOUTHEAST	FORT BENNING	MR	196
IMCOM-SOUTHEAST	FORT BENNING	CR	1030
IMCOM-SOUTHEAST	FORT BRAGG	IR	214
IMCOM-SOUTHEAST	FORT BRAGG	CR	398
IMCOM-SOUTHEAST	FORT CAMPBELL	CR	39
IMCOM-SOUTHEAST	FORT GORDON	IR	425
IMCOM-SOUTHEAST	FORT GORDON	CR	525
IMCOM-SOUTHEAST	FORT JACKSON	IR	108
IMCOM-SOUTHEAST	FORT JACKSON	MR	1792
IMCOM-SOUTHEAST	FORT JACKSON	CR	829
IMCOM-SOUTHEAST	FORT KNOX	IR	179
IMCOM-SOUTHEAST	FORT POLK	IR	276

## APPENDIX K

### FY11 ER,A Active Sites Workplan (Installation Budgets)

Oversight	Installation	Program	FY 2011
IMCOM-SOUTHEAST	FORT POLK	MR	120
IMCOM-SOUTHEAST	FORT POLK	CR	897
IMCOM-SOUTHEAST	FORT RUCKER	IR	453
IMCOM-SOUTHEAST	FORT RUCKER	MR	50
IMCOM-SOUTHEAST	FORT STEWART	IR	343
IMCOM-SOUTHEAST	FORT STEWART	MR	2800
IMCOM-SOUTHEAST	FORT STEWART	CR	417
IMCOM-SOUTHEAST	HUNTER ARMY AIRFIELD	IR	1537
IMCOM-SOUTHEAST	REDSTONE ARSENAL	IR	4957
IMCOM-SOUTHEAST	REDSTONE ARSENAL	MR	1205
IMCOM-SOUTHEAST	REDSTONE ARSENAL	CR	3471
IMCOM-SOUTHWEST	CAMP BULLIS	IR	154
IMCOM-SOUTHWEST	CAMP BULLIS	MR	273
IMCOM-SOUTHWEST	FORT BLISS	IR	14
IMCOM-SOUTHWEST	FORT BLISS	MR	6171
IMCOM-SOUTHWEST	FORT HUACHUCA	IR	117
IMCOM-SOUTHWEST	FORT HUACHUCA	MR	271
IMCOM-SOUTHWEST	FORT SILL	IR	1669
IMCOM-SOUTHWEST	FORT SILL	MR	1976
IMCOM-SOUTHWEST	NATIONAL TRAINING CENTER AND FORT IRWIN	IR	144
IMCOM-SOUTHWEST	NATIONAL TRAINING CENTER AND FORT IRWIN	MR	6637
IMCOM-SOUTHWEST	NATIONAL TRAINING CENTER AND FORT IRWIN	CR	1315
IMCOM-SOUTHWEST	PRESIDIO OF MONTEREY	IR	1
IMCOM-SOUTHWEST	WHITE SANDS MISSILE RANGE	IR	752
IMCOM-SOUTHWEST	WHITE SANDS MISSILE RANGE	MR	894
IMCOM-SOUTHWEST	WHITE SANDS MISSILE RANGE	CR	10
IMCOM-SOUTHWEST	YUMA PROVING GROUND	IR	245
IMCOM-SOUTHWEST	YUMA PROVING GROUND	CR	714
LEGACY BRAC I-IV - BRAC DIV	FORT GEORGE G MEADE	IR	866
LEGACY BRAC I-IV - BRAC DIV	FORT GEORGE G MEADE	MR	4
LEGACY BRAC I-IV - BRAC DIV	LETTERKENNY ARMY DEPOT	IR	211
LEGACY BRAC I-IV - BRAC DIV	RED RIVER ARMY DEPOT	IR	392
LEGACY BRAC I-IV - BRAC DIV	RED RIVER ARMY DEPOT	MR	193
LEGACY BRAC I-IV - BRAC DIV	SIERRA ARMY DEPOT	IR	486
LEGACY BRAC I-IV - BRAC DIV	TOOELE ARMY DEPOT	IR	2944
LEGACY BRAC I-IV - BRAC DIV	TOOELE ARMY DEPOT	MR	100

## APPENDIX K FY11 ER,A Active Sites Workplan (Installation Budgets)

Oversight	Installation	Program	FY 2011
MEDCOM	FOREST GLEN	IR	300
MEDCOM	FORT DETRICK	IR	64
MEDCOM	FORT DETRICK	CR	142
NON-BRAC EXCESS - BRAC DIV	BADGER ARMY AMMUNITION PLANT	IR	9403
NON-BRAC EXCESS - BRAC DIV	CHARLES MELVIN PRICE SUPPORT CENTER	IR	67
NON-BRAC EXCESS - BRAC DIV	CORNHUSKER ARMY AMMUNITION PLANT	IR	2020
NON-BRAC EXCESS - BRAC DIV	CORNHUSKER ARMY AMMUNITION PLANT	MR	201
NON-BRAC EXCESS - BRAC DIV	INDIANA ARMY AMMUNITION PLANT	IR	431
NON-BRAC EXCESS - BRAC DIV	JOLIET AAP	IR	339
NON-BRAC EXCESS - BRAC DIV	JOLIET AAP	MR	313
NON-BRAC EXCESS - BRAC DIV	LONGHORN ARMY AMMUNITION PLANT	IR	564
NON-BRAC EXCESS - BRAC DIV	RAVENNA ARMY AMMUNITION PLANT	IR	3133
NON-BRAC EXCESS - BRAC DIV	RAVENNA ARMY AMMUNITION PLANT	MR	368
NON-BRAC EXCESS - BRAC DIV	RAVENNA ARMY AMMUNITION PLANT	CR	1377
NON-BRAC EXCESS - BRAC DIV	ROCKY MOUNTAIN ARSENAL	IR	20000
NON-BRAC EXCESS - BRAC DIV	TWIN CITIES ARMY AMMUNITION PLANT	IR	1232
NON-BRAC EXCESS - BRAC DIV	VOLUNTEER ARMY AMMUNITION PLANT	IR	1244

# **APPENDIX L** **OUTYEAR PLANNING FORECAST** (\$000)

INSTALLATION	PROGRAM	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	OUTYEAR
ABERDEEN PROVING GROUND	IR	16290	12884	5550	4909	4841	4305	67743
ABERDEEN PROVING GROUND	MR	4412	3964	4508	18106	17938	17777	3559
ABERDEEN PROVING GROUND	CR	412	615	390	415	35	37	0
AFRC ALBANY	IR	0	0	0	0	0	0	0
AKIAK FEDERAL SCOUT ARMORY	CR	483	0	0	0	0	0	0
AMERICAN SAMOA LTA	MR	0	0	0	0	0	0	0
AMSA 137	IR	0	0	0	0	0	0	0
ANGOON FEDERAL SCOUT ARMORY	MR	5	0	0	0	0	0	0
ANNISTON ARMY DEPOT	IR	1435	1268	1268	1262	1070	1070	25588
ANNISTON ARMY DEPOT	MR	0	803	76	1192	0	0	76
ANNISTON ARMY DEPOT	CR	9	0	0	0	0	0	0
ATCHISON CAVES STORAGE FACILITY	IR	17	17	18	18	18	18	271
AVIATION SUPPLY FACILITY, 49-A	CR	53	0	0	0	0	0	0
BADGER ARMY AMMUNITION PLANT	IR	7508	3690	3647	3647	3647	1676	49268
BADGER ARMY AMMUNITION PLANT	CR	0	0	0	0	0	0	0
BLOSSOM POINT RESEARCH FACILITY	MR	0	0	102	0	184	7022	504
BLUE GRASS ARMY DEPOT	IR	66	39	64	15	6	12	0
BLUE GRASS ARMY DEPOT	MR	0	0	0	0	0	0	0
CAMP BARKELEY	MR	76	917	0	0	0	0	0
CAMP BULLIS	IR	147	102	51	128	77	77	550
CAMP BULLIS	MR	68	69	50	825	49	98	226
CAMP CROWDER	IR	0	0	0	0	0	0	0
CAMP FOGARTY TNG SITE	MR	1002	0	16	0	653	0	0
CAMP GRAYLING ARMY AIRFIELD	CR	49	49	49	25	0	0	0
CAMP GRUBER	CR	0	0	0	0	0	0	0
CAMP MURRAY	MR	12	131	0	0	0	0	0
CAMP NAVAJO	IR	160	160	160	180	160	160	500
CHARLES MELVIN PRICE SUPPORT CENTER	IR	42	42	42	42	42	42	928
CLACKAMAS/CAMP WITHYCOMBE	MR	0	4150	4376	0	16763	0	1239
COLD REGIONS RESEARCH LABORATORY	IR	349	349	373	349	349	349	2183
CORNHUSKER ARMY AMMUNITION PLANT	IR	2020	2020	1174	1118	1118	1118	3968
CORNHUSKER ARMY AMMUNITION PLANT	MR	19	0	0	0	0	0	0
CRAIG ARMORY	MR	3	0	0	0	0	0	0
CRANE ARMY AMMUNITION ACTIVITY	CR	0	35	0	0	0	0	0
DESERET CHEMICAL DEPOT	IR	3165	0	0	0	0	24	0
DESERET CHEMICAL DEPOT	MR	2005	4655	2151	0	0	648	486

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# **APPENDIX L** **OUTYEAR PLANNING FORECAST** (\$000)

INSTALLATION	PROGRAM	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	OUTYEAR
DESERET CHEMICAL DEPOT	CR	95	3796	0	0	0	0	54
DUGWAY PROVING GROUND	IR	2848	1591	964	1229	838	802	20281
DUGWAY PROVING GROUND	MR	2207	99	50	16782	16730	68	152
FIRESTONE CSMS	MR	0	17	554	0	0	0	0
FOREST GLEN	IR	915	541	4496	269	269	268	1850
FORT A P HILL	MR	106	47	1864	80	79	0	0
FORT BELVOIR	IR	4185	398	385	742	742	742	18064
FORT BELVOIR	MR	1019	28985	2235	1848	0	0	0
FORT BELVOIR	CR	9886	4751	4576	4542	4799	4799	98113
FORT BENNING	IR	976	722	596	438	292	335	196
FORT BENNING	MR	40	626	0	0	0	0	0
FORT BENNING	CR	87	63	64	20	0	0	0
FORT BLISS	IR	0	0	0	0	0	0	0
FORT BLISS	MR	100	0	14000	28600	45000	3573	5680
FORT BRAGG	IR	214	269	174	174	184	153	2211
FORT BRAGG	MR	0	0	0	0	0	0	0
FORT BRAGG	CR	323	248	169	153	143	83	2219
FORT BUCHANAN	IR	623	323	375	52	52	52	319
FORT BUCHANAN	MR	269	295	0	208	0	0	0
FORT BUCHANAN	CR	632	225	178	140	174	0	0
FORT CAMPBELL	IR	101	283	38	110	168	123	2315
FORT CAMPBELL	MR	55	55	0	50	3803	167	0
FORT CAMPBELL	CR	39	99	39	39	39	39	156
FORT CARSON	IR	3586	2704	1879	784	181	181	1010
FORT CARSON	CR	0	0	0	0	42	42	336
FORT CHAFFEE MANEUVER TRAINING CTR	IR	0	0	0	0	0	0	0
FORT DETRICK	IR	3044	166	4618	169	169	169	1423
FORT DETRICK	CR	142	154	60	60	60	55	244
FORT DRUM	IR	1045	130	130	130	358	235	4220
FORT DRUM	CR	0	0	0	0	0	0	0
FORT GEORGE G MEADE	IR	855	850	879	749	646	1177	3664
FORT GEORGE G MEADE	MR	4	4	4	4	38	72	181
FORT GORDON	IR	20	0	0	81	60	60	137
FORT GORDON	CR	169	116	116	48	0	0	0
FORT GREELY	IR	1175	886	397	380	0	0	383
FORT GREELY	MR	0	406	0	53	0	0	53

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## APPENDIX L

### OUTYEAR PLANNING FORECAST (\$000)

INSTALLATION	PROGRAM	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	OUTYEAR
FORT GREELY	CR	74	74	56	96	0	0	96
FORT HAMILTON	CR	178	30	59	0	0	0	0
FORT HUACHUCA	IR	6	5	6	5	6	5	23
FORT HUACHUCA	MR	50	1454	1454	0	0	0	0
FORT HUACHUCA	CR	0	0	0	0	0	0	0
FORT HUNTER LIGGETT	IR	822	822	822	547	547	547	4092
FORT HUNTER LIGGETT	MR	27	0	0	0	0	0	0
FORT HUNTER LIGGETT	CR	1050	680	680	804	355	355	1065
FORT INDIANTOWN GAP TRAINING SITE	MR	80	50	0	10293	10293	0	173
FORT JACKSON	IR	28	28	115	111	111	118	709
FORT JACKSON	MR	89	1906	248	235	0	0	0
FORT JACKSON	CR	231	95	95	95	93	139	75
FORT KNOX	IR	175	171	214	187	187	187	1148
FORT KNOX	CR	0	0	0	0	0	0	0
FORT LEAVENWORTH	IR	4789	4382	37	314	10	53	2266
FORT LEAVENWORTH	MR	147	147	0	0	0	0	0
FORT LEE	IR	265	374	226	307	74	0	0
FORT LEE	MR	114	203	6394	21	41	42	295
FORT LEE	CR	34	35	35	35	36	0	0
FORT LEONARD WOOD	IR	468	464	464	463	439	272	4898
FORT LEONARD WOOD	MR	0	0	201	5257	100	64	1792
FORT LEONARD WOOD	CR	2905	359	0	0	0	0	0
FORT LEWIS	IR	783	2459	685	589	610	597	0
FORT LEWIS	MR	260	260	0	0	0	0	0
FORT LEWIS	CR	125	11	11	51	0	0	0
FORT MCCLELLAN ARNG	IR	229	232	202	90	202	0	2330
FORT MCCLELLAN ARNG	MR	0	0	0	0	0	0	0
FORT MCCOY	IR	39	42	43	46	18	18	54
FORT MCNAIR	IR	0	0	0	0	0	0	0
FORT MCPHERSON	IR	0	0	0	0	0	0	0
FORT MISSOULA ARNG	MR	0	0	120	4783	0	0	221
FORT MYER	IR	202	201	57	57	57	57	158
FORT PICKETT ARNG MTC	IR	0	0	0	0	0	0	0
FORT POLK	IR	281	276	300	259	254	254	4510
FORT POLK	MR	1690	145	139	139	139	138	493
FORT POLK	CR	3364	646	564	522	490	153	0

# **APPENDIX L** **OUTYEAR PLANNING FORECAST** (\$000)

INSTALLATION	PROGRAM	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	OUTYEAR
FORT RILEY	IR	1104	935	387	45	2	298	225
FORT RILEY	MR	0	161	0	0	0	0	0
FORT RILEY	CR	5	0	0	25	0	0	25
FORT RUCKER	IR	339	278	281	334	272	272	1167
FORT RUCKER	MR	116	0	1418	0	32	32	254
FORT SHAFTER	IR	50	22	23	21	48	21	92
FORT SHAFTER	MR	1143	3699	0	0	0	135	126
FORT SILL	IR	508	485	485	485	485	24	0
FORT SILL	MR	0	810	5495	167	0	167	167
FORT SNELLING USARC/AMSA	CR	82	0	0	0	0	0	0
FORT STEWART	IR	426	424	207	207	207	40	120
FORT STEWART	MR	2	46	39	1546	0	0	389
FORT STEWART	CR	319	562	194	96	0	0	0
FORT WAINWRIGHT	IR	1564	1306	984	1532	550	610	12610
FORT WAINWRIGHT	MR	0	0	0	50	0	0	50
FORT WAINWRIGHT	CR	846	91	54	31	0	65	428
FORT WILLIAM HENRY HARRISON	MR	0	0	50	1501	0	0	0
HAINES PIPELINE	IR	542	542	395	396	236	189	427
HAWTHORNE ARMY DEPOT	IR	174	135	115	149	30	0	0
HAWTHORNE ARMY DEPOT	MR	5064	7544	35945	32284	0	50	251415
HAWTHORNE ARMY DEPOT	CR	6671	2848	0	0	0	0	0
HELEMANO RAD REC STATION	CR	0	0	0	0	0	0	0
HOLSTON ARMY AMMUNITION PLANT	IR	227	215	215	258	215	215	686
HOLY CROSS ARMORY	MR	3	0	0	0	0	0	0
HUNTER ARMY AIRFIELD	IR	567	566	566	566	566	146	145
HUSLIA FEDERAL SCOUT ARMORY	MR	3	0	0	0	0	0	0
INDIANA ARMY AMMUNITION PLANT	IR	10	0	0	0	0	0	0
IOWA ARMY AMMUNITION PLANT	IR	526	276	40	0	0	0	14203
IOWA ARMY AMMUNITION PLANT	MR	147	5559	0	0	0	0	2080
IOWA ARMY AMMUNITION PLANT	CR	162	172	0	0	0	0	0
JFHQ AK ARNG	MR	3	0	0	966	0	0	813
JFHQ AL ARNG	MR	0	0	478	0	0	5	132
JFHQ AR ARNG	MR	0	0	477	0	0	1	31
JFHQ AZ ARNG	MR	0	3304	0	0	70	2322	1816
JFHQ CA ARNG	MR	0	0	1410	3319	50	262	4484
JFHQ CO ARNG	MR	5735	5349	0	4913	2026	0	136



**APPENDIX L**  
**OUTYEAR PLANNING FORECAST**  
**(\$000)**

INSTALLATION	PROGRAM	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	OUTYEAR
JFHQ CT ARNG	MR	0	0	1626	0	0	10	33
JFHQ DE ARNG	MR	0	0	0	0	0	611	0
JFHQ GA ARNG	MR	0	0	983	0	0	5	128
JFHQ GA ARNG	CR	64	99	79	78	78	76	220
JFHQ HI ARNG	MR	0	0	1737	0	0	29	1094
JFHQ IA ARNG	MR	0	0	2113	0	0	26	741
JFHQ ID ARNG	MR	0	0	1008	0	0	1075	739
JFHQ IL ARNG	MR	0	6235	0	29	1608	292	138
JFHQ IN ARNG	MR	0	0	2053	0	0	59	1839
JFHQ KS ARNG	MR	0	0	489	0	0	4	611
JFHQ KY ARNG	MR	0	0	489	0	0	2	540
JFHQ LA ARNG	MR	0	0	0	0	0	0	0
JFHQ MA ARNG	MR	0	0	1745	0	0	1245	404
JFHQ MD ARNG	MR	0	0	0	0	0	0	0
JFHQ ME ARNG	MR	0	1959	0	0	13	326	3347
JFHQ MI ARNG	MR	0	3935	0	0	46	2146	0
JFHQ MN ARNG	MR	0	1188	0	0	21	3985	0
JFHQ MO ARNG	MR	2219	0	863	2976	465	2295	941
JFHQ MS ARNG	MR	0	0	1019	0	0	6	693
JFHQ MT ARNG	MR	14169	6585	0	991	6928	12916	1200
JFHQ NC ARNG	MR	0	0	0	0	0	0	0
JFHQ ND ARNG	MR	0	0	1589	0	0	12	1366
JFHQ NE ARNG	MR	0	2780	0	0	21	1284	1607
JFHQ NJ ARNG	MR	0	0	0	0	0	0	0
JFHQ NM ARNG	MR	0	4629	0	0	88	2272	213
JFHQ NV ARNG	MR	0	0	612	0	0	845	39
JFHQ NY ARNG	MR	0	0	1195	0	3526	597	566
JFHQ OH ARNG	MR	0	0	1061	0	0	6	174
JFHQ OK ARNG	MR	0	0	465	0	0	1	20
JFHQ OR ARNG	MR	0	0	0	0	0	609	0
JFHQ PA ARNG	MR	1967	0	0	2668	5850	590	1057
JFHQ RI ARNG	MR	0	0	0	0	587	0	40
JFHQ RQ ARNG	MR	0	0	0	0	0	0	0
JFHQ SC ARNG	MR	0	0	462	0	0	2	42
JFHQ SD ARNG	MR	645	6396	515	1383	3063	0	2103
JFHQ TN ARNG	MR	0	0	455	0	0	2	49

## APPENDIX L

### OUTYEAR PLANNING FORECAST

(\$000)

INSTALLATION	PROGRAM	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	OUTYEAR
JFHQ TX ARNG	MR	0	0	495	0	643	5	131
JFHQ UT ARNG	MR	0	6622	0	0	88	6594	219
JFHQ VA ARNG	MR	0	0	511	0	0	628	225
JFHQ VI ARNG	MR	0	0	0	0	0	0	0
JFHQ VT ARNG	MR	0	0	1822	0	0	581	1090
JFHQ WA ARNG	MR	0	0	1162	0	0	587	515
JFHQ WI ARNG	MR	0	0	1142	0	0	595	973
JFHQ WV ARNG	MR	0	0	521	0	0	1	560
JFHQ WY ARNG	MR	2053	0	3040	8546	1842	538	4360
JOLIET AAP	IR	560	359	339	339	339	339	8381
JOLIET AAP	MR	261	2564	2564	0	0	0	180
KALTAG FEDERAL SCOUT ARMORY	MR	3	0	0	0	0	0	0
KIMAMA TS RUPERT	MR	22	72	2868	0	0	0	161
KIVALINA FEDERAL SCOUT ARMORY	MR	3	0	0	0	0	0	0
KUNIA FIELD STATION	IR	23	23	24	24	24	24	24
KWIGILLINGOK SCOUT ARMORY	CR	0	0	0	0	0	0	0
LAKE CITY ARMY AMMUNITION PLANT	IR	1785	2890	2890	2890	2890	2890	60227
LEESBURG TRAINING SITE	CR	5	19	5	5	5	5	97
LETTERKENNY ARMY DEPOT	IR	393	228	237	246	599	347	500
LINCOLN AMSA 68	IR	0	0	0	0	10	0	0
LONGHORN ARMY AMMUNITION PLANT	IR	532	511	75	75	524	524	12053
LONGHORN ARMY AMMUNITION PLANT	MR	72	0	0	0	0	72	0
LOUISIANA ARMY AMMUNITION PLANT	IR	839	0	79	31	79	0	186
LTA - MARION ENGR DEPOT EAST	IR	10	0	0	0	0	0	0
MAKUA MILITARY RESERVATION	MR	0	100	12668	0	0	0	402
MCALISTER ARMY AMMUNITION PLANT	IR	36	30	26	451	379	379	7618
MCALISTER ARMY AMMUNITION PLANT	MR	703	128	4196	468	12	0	305
MILAN ARMY AMMUNITION PLANT	IR	3295	3257	7300	1748	1748	1748	26584
MILAN ARMY AMMUNITION PLANT	MR	0	0	0	0	0	0	0
MILITARY OCEAN TERMINAL CONCORD	IR	3245	444	574	564	524	524	2137
MILITARY OCEAN TERMINAL CONCORD	MR	1556	1556	1555	1554	2000	17981	18228
MOBILE OMS 28 & 29	CR	76	53	0	0	0	0	0
MOFFETT FIELD USARC	CR	0	0	0	0	0	0	0
MTA-L CAMP WILLIAMS WEST FED	MR	36	150	13377	0	0	0	0
MTC CAMP BLANDING	CR	739	473	620	618	618	618	3498
MTC-H CAMP ROBERTS	IR	234	234	234	283	234	234	743

## APPENDIX L

### OUTYEAR PLANNING FORECAST

(\$000)

INSTALLATION	PROGRAM	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	OUTYEAR
NATIONAL TRAINING CENTER AND FORT IRWIN	IR	144	144	194	144	0	0	2156
NATIONAL TRAINING CENTER AND FORT IRWIN	MR	511	0	0	0	0	0	6129
NATIONAL TRAINING CENTER AND FORT IRWIN	CR	1159	748	22053	799	799	799	21567
NEWTOK FEDERAL SCOUT ARMORY	CR	0	0	0	0	0	0	0
NG AKIACHAK ARMORY	CR	0	0	0	0	0	0	0
NG ALAKANUK ARMORY	CR	0	800	0	0	0	0	0
NG EEK ARMORY	CR	914	0	0	0	0	0	0
NG EMMONAK ARMORY	CR	0	434	0	0	0	0	0
NG FORT YUKON ARMORY	CR	0	742	0	0	0	0	0
NG GAMBELL ARMORY	CR	0	402	0	0	0	0	0
NG HOOPER BAY ARMORY	CR	0	0	0	0	0	0	0
NG KASIGLUK ARMORY	CR	195	0	0	0	0	0	0
NG KIPNUK ARMORY	CR	0	247	0	0	0	0	0
NG KOTLIK ARMORY	CR	0	154	0	0	0	0	0
NG KWETHLUK ARMORY	CR	154	0	0	0	0	0	0
NG MOUNTAIN VILLAGE ARMORY	CR	0	374	0	0	0	0	0
NG NAPAKIAK ARMORY	CR	1130	0	0	0	0	0	0
NG NAPASKIAK ARMORY	CR	804	0	0	0	0	0	0
NG NIGHTMUTE ARMORY	CR	285	0	0	0	0	0	0
NG NUNAPITCHUK ARMORY	CR	443	0	0	0	0	0	0
NG SAVOONGA ARMORY	CR	0	2681	0	0	0	0	0
NG SCAMMON BAY ARMORY	CR	0	0	0	0	0	0	0
NG ST MARYS ARMORY	CR	0	857	0	0	0	0	0
NG STEBBINS ARMORY	CR	0	1077	0	0	0	0	0
NG TOKSOOK BAY ARMORY	CR	1146	0	0	0	0	0	0
NG TUNTUTULIAK ARMORY	CR	455	0	0	0	0	0	0
NG TUNUNAK ARMORY	CR	262	0	0	0	0	0	0
PAPAGO MILITARY RESERVATION	IR	2	2	2	22	2	2	26
PAPAGO MILITARY RESERVATION	MR	0	0	0	0	0	0	0
PAPAGO MILITARY RESERVATION	CR	54	54	54	0	0	0	0
PARKS RESERVE FORCES TRAINING AREA	IR	73	45	45	45	0	0	0
PARKS RESERVE FORCES TRAINING AREA	MR	59	0	0	0	0	0	0
PARKS RESERVE FORCES TRAINING AREA	CR	0	0	0	0	0	0	0
PHOENIX MILITARY RESERVATION	IR	0	0	0	0	0	0	0
PICATINNY ARSENAL	IR	2017	238	113	92	683	651	3717
PICATINNY ARSENAL	MR	1734	2991	1197	12765	46671	153	1897

## APPENDIX L

### OUTYEAR PLANNING FORECAST

(\$000)

INSTALLATION	PROGRAM	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	OUTYEAR
PICATINNY ARSENAL	CR	15	1666	33	32	33	0	0
PINE BLUFF ARSENAL	IR	456	456	504	456	456	456	1110
PINE BLUFF ARSENAL	MR	3106	77	939	180	67	67	660
POHAKULOA TRAINING AREA	IR	250	78	23	24	48	24	126
POHAKULOA TRAINING AREA	MR	0	0	1295	0	6177	22300	236962
PRESIDIO OF MONTEREY	IR	1	1	1	1	1	1	0
RADFORD ARMY AMMUNITION PLANT	IR	4683	735	734	734	677	677	2888
RADFORD ARMY AMMUNITION PLANT	MR	69	69	69	69	69	69	207
RADFORD ARMY AMMUNITION PLANT	CR	0	0	0	0	0	0	0
RAVENNA ARMY AMMUNITION PLANT	IR	3318	4152	2975	2970	796	796	4529
RAVENNA ARMY AMMUNITION PLANT	MR	939	674	5688	333	2091	219	1778
RAVENNA ARMY AMMUNITION PLANT	CR	661	1112	1011	1755	10901	205	1282
RED RIVER ARMY DEPOT	IR	6889	188	189	301	238	189	3439
RED RIVER ARMY DEPOT	MR	3678	11664	68	6703	0	0	437
RED RIVER ARMY DEPOT	CR	828	0	50	10821	0	0	1829
REDSTONE ARSENAL	IR	5523	3913	4142	1337	1430	2554	10658
REDSTONE ARSENAL	MR	375	208	79	123	157	351	790
REDSTONE ARSENAL	CR	3738	3148	379	86	86	348	250
RIVER ROAD TRAINING SITE	MR	0	0	0	0	33	1334	0
ROCK ISLAND ARSENAL	IR	741	327	376	364	345	345	2799
ROCK ISLAND ARSENAL	CR	221	83	79	79	79	79	395
ROCKY MOUNTAIN ARSENAL	IR	10000	10000	7720	5553	5410	5720	103658
SAGINAW	CR	0	0	0	23	29	0	0
SCHOFIELD BARRACKS	IR	798	729	738	624	911	1042	0
SCHOFIELD BARRACKS	MR	85	4044	177	333	0	0	0
SCHOFIELD BARRACKS	CR	0	57	57	57	0	0	0
SELAWIK SCOUT ARMORY	MR	3	0	0	0	0	0	0
SIERRA ARMY DEPOT	IR	546	63	372	478	654	440	6118
SIERRA ARMY DEPOT	MR	0	128	562	128	499	260	1885
SIERRA ARMY DEPOT	CR	0	0	0	0	0	0	0
SOLDIER SYSTEMS CENTER	IR	276	191	590	266	150	150	7750
ST LOUIS ORDNANCE PLANT	IR	318	318	318	318	376	318	957
TOBYHANNA ARMY DEPOT	IR	133	120	120	121	120	133	0
TOBYHANNA ARMY DEPOT	MR	0	75	0	0	76	0	0
TOOELE ARMY DEPOT	IR	1561	1449	1279	4596	731	846	0
TOOELE ARMY DEPOT	MR	2046	155	10202	0	0	0	1008

## APPENDIX L OUTYEAR PLANNING FORECAST (\$000)

INSTALLATION	PROGRAM	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	OUTYEAR
TRIPLER ARMY MEDICAL CENTER	IR	74	67	68	70	120	70	189
TRIPLER ARMY MEDICAL CENTER	CR	0	152	152	152	0	0	0
TS AFRC LOS ALAMITOS	IR	633	724	724	771	724	724	3673
TS AFRC LOS ALAMITOS	CR	130	57	67	0	0	0	0
TWIN CITIES ARMY AMMUNITION PLANT	IR	45136	1222	1136	1222	1136	1222	26962
USARC CAVEN POINT	CR	44	0	0	0	0	0	0
USARC KINGS MILLS (AMSA 59)	IR	0	0	0	0	0	0	0
USARC LODI	CR	0	0	0	0	0	0	0
VOLKSTONE	MR	977	0	0	0	584	0	165
VOLUNTEER ARMY AMMUNITION PLANT	IR	5365	5394	5350	320	312	329	5389
WAIAWA GULCH	CR	67	67	66	0	0	0	0
WAIKAKALAUAA AMMO STORAGE TUNNELS	MR	0	50	0	19410	0	0	392
WATERVLIT ARSENAL	IR	124	124	124	124	124	124	124
WELDON SPRING TRAINING AREA	IR	1809	120	177	120	120	120	2372
WEST POINT MIL RESERVATION	IR	3085	343	343	504	1099	1187	2226
WEST POINT MIL RESERVATION	MR	0	0	0	0	4685	20185	13789
WEST POINT MIL RESERVATION	CR	0	0	0	0	0	0	0
WHEELER ARMY AIRFIELD	MR	1333	7103	68	93	28	178	290
WHITE SANDS MISSILE RANGE	IR	441	379	921	885	1206	768	5355
WHITE SANDS MISSILE RANGE	MR	0	0	449	17959	0	0	175
WHITE SANDS MISSILE RANGE	CR	228	30	30	30	47	47	548
YAKIMA TRAINING CENTER	IR	7	7	7	7	7	60	0
YUMA PROVING GROUND	IR	170	170	155	155	230	100	920
YUMA PROVING GROUND	MR	0	0	0	50	6169	0	525
YUMA PROVING GROUND	CR	9419	3650	161	161	161	161	723

## Appendix M Acronyms

AAA	Army Audit Agency
AAP	Army Ammunition Plant
AAR	After-Action Report
ACOM	Army Command
ACSIM	Assistant Chief of Staff for Installation Management
AEDB-R	Army Environmental Database for Restoration
AEDB-CC	Army Environmental Database for Compliance Cleanup
AECS	Army Environmental Cleanup Strategy
AELC	Architect and Engineers Legislative Council
AMC	Army Materiel Command
AMSA	Army Medical Surveillance Activity
AECS	Army's Environmental Cleanup Strategy
AECSP	Army Environmental Cleanup Strategic Plan
ASA (I&E)	Assistant Secretary of the Army for Installations and Environment
ATSDR	Agency for Toxic Substances and Disease Registry
BD/DR	Building Demolition and Debris Removal
BRAC	Base Realignment and Closure
BES	Budget Estimate Submission
CA	Cooperative Agreement
CC Compliance-related	Cleanup
CERCLA	Comprehensive Environment Response, Compensation and Liability Act
CFO	Chief Financial Officer
CHPPM	Center for Health Promotion and Preventive Medicine
CLINs	Contract Line Item Numbers
CONUS Continental	United States
COR Close-Out	Report
CR	Compliance Restoration
CTC	Cost to Complete
CX	Center of Expertise
DA	Defense Agency or Department of Army
DASA	Deputy Assistant Secretary of the Army for Environment, Safety and
(ESOH)	Occupational Health
DENIX	Defense Environmental Network Information Exchange
DERP Defense	Environmental Restoration Program
DFAS	Defense Finance and Accounting Service
DOD	Department of Defense
DMM	Discarded Military Munitions
DSMOA	Defense and State Memorandum of Agreement
DUSD (I&E)	Deputy Under Secretary of Defense for Installations, and Environment
ECA	Environmental Corrective Action
ECP	Engineering Change Proposal
EL	Environmental Liabilities
EMS	Environmental Management System
EO Executive	Order
EOFY	End of Fiscal Year
EOY	Executive Order Year
EPAS	Environmental Performance Assessment System
ER,A	Environmental Restoration, Army

## Appendix M

### Acronyms

#### (Continued)

ERD	Environmental Restoration Division
ERIS	Environmental Restoration Information System
ERMs	Environmental Restoration Managers
FFMIA	Federal Financial Management Improvement Act
FHRD	Financial and Human Resources Division
FMR	Financial Management Regulation
FY Fiscal	Year
GIS	Geographic Information System
GWETER	Groundwater Extraction and Treatment Effectiveness Review
HQDA	Headquarters, Department of Army
IAP Installation	Action Plan
IAW	In Accordance With
ID/IQ	Indefinite Delivery/Indefinite Quantity
IMCOM	Installation Management Command
IR	Installation Restoration
IRP	Installation Restoration Program
ISE	Installation Services - Environment
ISO	International Standards Organization
ITR	Independent Technical Review
LSAAP	Lone Star Army Ammunition Plant
LTA	Long Term Action
LTM	Long Term Management (to include monitoring)
LUC	Land Use Controls
MC	Munitions Constituents
MERIT	Materials of Emerging Regulatory Interest Team
MMRP	Military Munitions Response Program
MOT	Military Ocean Terminal
MOU	Memorandum of Understanding
MR	Munitions Response
MSC	Major Subordinate Command
NCP	National Contingency Plan
NDNODS	Non-DOD Owned Non-Operational Defense Sites
NGB	National Guard Bureau
NPL	National Priorities List
NLT	No Later Than
NTCRA	Non Time Critical Removal Action
OACSIM	Office of the Assistant Chief of Staff for Installation Management
OCONUS	Outside Continental United States
ODUSD	Office of the Deputy Under Secretary of Defense for Installations and
(I&E)	Environment
OMA	Operations and Maintenance Account
PBA Performance	e-Based Acquisition
PCOR Preliminary	Close-Out Report
PER	Principles of Environmental Restoration
PMP Program	Management Plan

## Appendix M

### Acronyms

#### (Continued)

POC	Point of Contact
POM	Program Objective Memorandum
PPBES	Planning, Programming, Budgeting and Execution System
QA/QC	Quality Assurance/Quality Control
RAB Restoration	Advisory Board
RACER	Remedial Action Cost Evaluation and Requirements
RAO	Remedial Action Operations
RC Response	Complete
RCRA	Resource Conservation Recovery Act
READ	Repository of Environmental Army Documents
RIP	Remedy In Place
RM Restoration	Manager
RMA	Rocky Mountain Arsenal
RP	Reconciliation Process
RPM	Remedial Project Manager
RPUID	Real Property Unit Identification
SARA	Superfund Amendments and Reauthorization Act
SI	Site Inspection
SRS	Strategic Readiness System
TA	Technical Assistance
TAPES	<b>Total Army Performance Evaluation System</b>
TAPP	Technical Assistance for Public Participation
USACE	US Army Corps of Engineers
USAEC	US Army Environmental Command
USAPHC	US Army Public Health Command (formerly CHPPM)
USARC	United States Army Reserve Command
USC	United States Code
USEPA	US Environmental Protection Agency
UXO	Unexploded Ordnance